

## A LIST OF THE BEETLES OF THE DISTRICT OF COLUMBIA.

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### I. INTRODUCTION.

The following list of the Coleoptera of the District of Columbia is the result of a diligent search extending over a period of nearly forty years.

In the fifties, the city of Washington was still surrounded by many fine woods and lovely meadows, which promised the entomologist and botanist a rich harvest. In truth, almost every collecting excursion in those days furnished abundant new material and raised the interest and enthusiasm of the collector to a high pitch.

With the beginning of our civil war, the woods on the Virginia side of the Potomac began to disappear, and not many years later the pleasant fields and woods north and northwest of the city were occupied by city extensions, avenues, and building lots, so that one hunting ground after the other was captured by advancing civilization.

Nevertheless the right bank of the Potomac, between the Aqueduct Bridge and Little Falls, remained a rich field for the collector until quite recently, when it, too, began to suffer from the inroads of the stone quarrymen and others.

As a result of the destruction of forests and meadows, a number of beetles seem to have disappeared, which were formerly quite common, such as *Boros unicolor*, *Doryphora juneta*, and *Laricobius erichsoni*, while other species were introduced with the extension of agriculture and horticulture. Among the introduced species, some have multiplied so fast that they may now fairly be considered pests, such as *Phytonomus punctatus* and *Sitones hispidulus*. A large portion of the District, however, still remains unexplored, and only recently the southeastern region, toward Marlboro, furnished botanists several species not previously enumerated in Lester F. Ward's excellent List of the Flora of Washington and Vicinity.

The northeastern region, in the neighborhood of Odenton, should also be studied more carefully, as, for example, the sand dunes there constitute the only places where the rare *Cremastochilus leucostictus* was found.

Notwithstanding the attendant difficulties and large extent of unexplored territory to furnish a nearly complete list of the Coleoptera of the District of Columbia, I must acknowledge that success is in part due to the encouragement of my friend, E. A. Schwarz, who kindly lent his wide experience and assistance in preparing the annexed biological notes.

The following important facts have been observed concerning the relation existing between the local geology, flora, and general fauna and the occurrence of the District beetles in special.

It is a well-known fact that the distribution and varied habits of Coleoptera afford such striking features that the general physical characteristics of any locality can be determined from an average collection of the beetles of such region.

The number of species found in the District of Columbia, or, more broadly, in an area within a radius of 20 miles of the Capitol, is not less than 3,000. This is a much larger number than has been recorded from local lists of any other equal area in the United States. It represents about one-fourth of the total number of species now recorded from North America north of the Mexican boundary.

Let us now examine the physical conditions which form the environment of the Coleoptera here.

The geology of the District presents the following features:

Washington City is chiefly built upon thin beds of sedimentary sands, clays, or gravels of the Post-Jurassic age, covering the Archean crystalline rocks—chiefly gneiss and granite.

Satisfactory exposures of these rocks are to be found only in the deep ravines cut by the Potomac and Rock Creek or their tributaries, since, at the surface of the Washington plateau, their character has been obscured or obliterated by extensive superficial decay and by cultivation.

Toward the west the gneisses, which are for the most part granitoid in character and possess a north-south strike, become somewhat more foliated and schistose. In many places it appears that the granites and gneisses have been subjected to extensive metamorphism. Near Georgetown and Cabin John occur pronounced developments of a massive dark-green diorite, and in other localities are found bands of siliceous and chloritic schists. These, however, grade imperceptibly into the prevailing granite and gneiss, and probably represent the result of intense dynamic action. Limited occurrences of gabbro, serpentine, and steatite complete the list of eruptive rocks found in the District. Altogether they contain at least forty different mineral species.

The soil formed by the decomposition of the above sediments and rocks is so varied in character that it is able to support no less than 1,400 species and varieties of vascular plants.

Now, as about half of all the beetles depend upon plants for their food, the greater the variety of food plants the larger we find the number of species of beetles.

The geographical position and topographical features of the District of Columbia also largely account for its diversified insect fauna.

The coastal plain deposits, concealing the crystalline rocks of the eastern and southern portions of the District, are formed into numerous terraces, so that Washington is surrounded by low hills on all sides, except where the Eastern Branch and southeastern shores of the Potomac flatten out into marshy grounds.

As the District lies on the border of the crystalline plateau and the lower coastal formation and at the head of tide water on the great lowland plain, which extends from New York to Richmond, the local fauna has the composite character belonging to the upper austral, lower austral, and the transition zones, or, to be more exact, it has the facies of the Allegheny, Carolina, and austro-riparian regions, as classified by Dr. C. Hart Merriam.<sup>1</sup>

In a region so restricted and comparatively level, there are of course no such changes in the temperature as in mountainous countries, where we find forms of insects on the top of mountains very different from those below, the former being always of a more northern type. The appearance of northern and southern forms are here controlled by the change of seasons, so in early spring we may always expect more northern types, while in midsummer the southern ones predominate.

There are other local causes which influence the character of our fauna. The Potomac River every spring carries down quantities of flood débris from the mountain districts, containing insects which properly belong to higher elevations, for example, *Phellopis obcordata*, *Pinodytes cryptophagooides*, *Carebara longula*, *Enchodes sericea*, and several Carabidae, Longicorns, and Elateridae. Southern forms have been observed chiefly in the middle and eastern part of the District as along the Eastern Branch, where species were collected, such as *Casnonia ludoviciana*, *Cynindis elegans*, *Thalpius dorsalis*, and several Chrysomelidae.

The great attraction of the electric lights for insects has also resulted in the discovery of certain kinds, whose occurrence here was not previously known with certainty, such as *Omophron labiatum*, *Olivina punctigera*, *Platynus picticornis*, *Rhantus calidus*, *Atænius figurator*, *Pleurophorus ventralis*, and *Donacia hypoleuca*, which belong to the austroriparian fauna.

<sup>1</sup>The geographical Distribution of Animals and Plants in North America. Bull Nat. Geog. Soc., 1895.

To convey a correct impression of the geographical distribution of the beetles, it is absolutely essential to obtain accurate lists of the Coleoptera of the different sections of this country. The first step in this direction was taken by Messrs. E. A. Schwarz and H. G. Hubbard, who prepared the Coleoptera of Michigan and Florida, and their example was followed by numerous other entomologists. Of special interest for comparison is Dr. John Hamilton's Catalogue of the Coleoptera of Southwestern Pennsylvania (1895).

There are especially three localities in the immediate vicinity of Washington which have been very carefully explored by the entomologists: The meadows, rocks, and woods along both sides of the Potomac and including the river flats across Long Bridge; the valleys of the Rock Creek, and the banks of Eastern Branch. The richest collecting ground near Washington has been the rocky ledges and ravines along the south banks of the Potomac just above the Free Bridge. The Rock Creek region is also full of interest. The creek cutting its snake like course here through solid rocks, leaves deep ravines and winds its way among mossy sand banks and swampy meadows, presenting a variety of conditions that always assures the collector a rich harvest. In striking contrast to the above localities are the banks of the Eastern Branch, with their extensive marshes of wild rice. Here a great many species were found not occurring elsewhere in the District.

Some representative forms of the austroriparian fauna are found all along the Atlantic coast from Florida to New Jersey, but the majority do not extend more northerly than the Chesapeake region, while certain northern species find their southern limit of distribution in this vicinity.

The following are examples of austroriparian species which find here their northern limit:

*Omophron labiatum*, *Platynus striatopunctatus* and *picticornis*, *Anatrichis minuta*, *Celina angustata*, *Bryaxis belfragei*, *Iuo reclusa*, *Meristhus seabinula*, *Ischiodontus soleatus*, *Ozognathus floridanus*, *Edionychis indigoptera*, *Lactea tibialis*, *Mecynotarsus candidus*, *Xylophilus notatus*, *Hyporhagus punctulatus*, *Liopus crassulus*, *Auleutes tachygonooides*, *Ceutorhynchus siculus*, *Oomorphidius lœvicollis*, *Chætocerus setosus*, and others.

Of Alleghenian forms, which find here their southern limit, we have: *Cicindela rugifrons*, *Lebia fuscata*, *Ips confluentus*, *Boros unicolor*, *Laricobius erichsoni*, *Rhinosimus viridiæneus*, *Carebara longula*, *Enchodes sericea*, *Pterostichus corvinus*, *Platynus obsoletus*, *Acalyptus carpini*, and others.

The great bulk of our Coleoptera, however, belongs to the carolinian fauna.

As this manuscript was prepared nearly four years ago, papers on North American Coleoptera that have been published since have not been taken into consideration. Some of the changes in the nomenclature established in these papers have been inserted, but many others could not be attended to.

Everyone familiar with the systematic study of North American Coleoptera is aware that in many genera of various families we have a larger or smaller number of undescribed species; the description of which must by all means be left for future monographs. Such species are omitted in this list; they are most numerous in the subfamily Aleocharinae of the family Staphylinidae, in the Cioidae, Cryptoplagidae, etc.

A local faunal list acquires interest and importance only when compared with lists of adjacent regions. As to Coleoptera we have the list by the late Dr. John Hamilton<sup>1</sup> on the Coleopatra of southwestern Pennsylvania, and that of Dr. J. B. Smith on the insects of New Jersey (second edition, 1899.) Both of these lists refer to regions north of the District of Columbia. Southward we have no comprehensive faunal lists of Virginia, North Carolina, South Carolina, and Georgia. The list of Coleoptera of Florida, by Schwarz and Hubbard<sup>2</sup> is also of importance for comparison with our District fauna.

It is very gratifying to find that some of the younger enthusiastic students in the Division of Insects in the United States National Museum, and the Division of Entomology in the United States Department of Agriculture, such as H. S. Barber and F. C. Pratt, have taken up coleopterology and already give proof of their success in studying and collecting coleoptera. No doubt many additions will hereafter be made to the species enumerated in this paper.

#### LIST OF SPECIES.

##### CICINDELIDÆ.

1. *Tetracha virginica* Linnaeus.
2. *Cicindela rugifrons* Dejean.
3.     *6-guttata* Fabricius.
4.     var. *patruela* Dejean.
5.     *purpurea* Olivier.
6.     var. *splendida* Hentz.
7.     *vulgaris* Say.
8.     *repanda* Dejean.
9.     var. *12-guttata* Dejean.
10.    *hirticollis* Say.
11.    *punctulata* Fabricius.
12.    *marginata* Fabricius.
13.    *rufiventris* Dejean.

##### CARABIDÆ.

14. *Omophron labiatum* Fabricius.
15.         *americanum* Dejean.
16. *Cychrus stenostomus* Weber.
17.         *elevatus* Fabricius.
18.         *unicolor* Olivier.
19.         *riduus* Dejean.
20. *Carabus sylvosus* Say.
21.         *serratus* Say.
22.         *limbatus* Say.
23.         *vinctus* Weber.
24. *Calosoma exterrimum* Say.
25.         *scrutator* Fabricius.
26.         *wileoxi* Le Conte.

<sup>1</sup> Trans. Amer. Ent. Soc., XXII, 1895.

<sup>2</sup> Proc. Amer. Phil. Soc., XVII, 1878.

## LIST OF SPECIES—Continued.

27. *Calosoma sayi* Dejean.  
 28.      *calidum* Fabricius.  
 29. *Elaphrus riparius* Linnaeus.  
 30.      *rusearius* Say.  
 31. *Notiophilus aeneus* Herbst.  
 32.      *semistriatus* Le Conte.  
 33.      *sibiricus* Motschulsky.  
 34. *Nebria pallipes* Say.  
 35. *Pusimachus sublarris* Dejean.  
 36.      *depressus* Fabricius.  
 37. *Scorites subterraneus* Fabricius.  
 38. *Dyschirius globalosus* Say.  
 39.      *hamorrhoidalis* Dejean.  
 40.      *spharicollis* Say.  
 41.      *pumilus* Putzeys.  
 42.      *pilosus* Le Conte.  
 43. *Cleina dentipes* Dejean.  
 44.      *impressifrons* Le Conte.  
 45. *planicollis* Le Conte.  
 46. *punctigera* Le Conte.  
 47. *pallida* Say.  
 48. *rufa* Le Conte.  
 49. *americana* Dejean.  
 50. *morula* Le Conte.  
 51. *ferrea* Le Conte.  
 52. *bipustulata* Fabricius.  
 53. *Aspidoglossa subangulata* Chaudoir.  
 54. *Schizogenius lineolatus* Say.  
 55.      *ferrugineus* Putzeys.  
 56.      *amphibius* Haldeman.  
 57. *Panagaeus fasciatus* Say.  
 58. *Bembidium punctostriatum* Say.  
 59. *littorale* Olivier.  
 60. *iniquale* Say.  
 61. *coerulea* Say.  
 62. *laevigatum* Say.  
 63. *americanum* Dejean.  
 64. *antiquum* Dejean.  
 65. *chalceum* Dejean.  
 66. *nigrum* Say.  
 67. *fugax* Le Conte.  
 68. *guexii* Chaudoir.  
 69. *ustulatum* Linnaeus.  
 70. *picipes* Kirby.  
 71. *fraterium* Le Conte.  
 72. *dorsale* Say.  
 73. *patruelis* Dejean.  
 74. *variegatum* Say.  
 75. *constrictum* Le Conte.  
 76. *contractum* Say.  
 77. *affine* Say.  
 78. *4-maculatum* Linnaeus.  
 79. *Bembidium pedicellatum* Le Conte.  
 80.      *seunistriatum* Haldeman.  
 81. *Anillus fortis* Horn.  
 82. *Tachys proximus* Say.  
 83.      *scitulus* Le Conte.  
 84. *corruscus* Le Conte.  
 85. *putmilus* Dejean.  
 86. *laetus* Say.  
 87. *nanus* Gyllenhal.  
 88. *flavieauda* Say.  
 89. *tripunctatus* Say.  
 90. *virax* Le Conte.  
 91. *capax* Le Conte.  
 92. *xanthopus* Dejean.  
 93. *ferrugineus* Dejean.  
 94. *incurvus* Say.  
 95. var. *pulchellus* Laferté.  
 96. *granarius* Dejean.  
 97. *dolosus* Le Conte.  
 98. *Pericompsus ephippiatus* Say.  
 99. *Patrobus longicornis* Say.  
 100. *Myas coracinus* Say.  
 101. *Pterostichus adoxus* Say.  
 102. *rostratus* Newman.  
 103. *rotundatus* Le Conte.  
 104. *approximatus* Le Conte.  
 105. *diligendus* Chaudoir.  
 106. *honestus* Say.  
 107. *lachrymosus* Newman.  
 108. *coracinus* Newman.  
 109. *stygicus* Say.  
 110. *masstus* Say.  
 111. *sayi* Brullé.  
 112. *bucinlandus* Say.  
 113. *ebeninus* Dejean.  
 114. *caudicalis* Say.  
 115. *luctuosus* Dejean.  
 116. *cervinus* Dejean.  
 117. *gearis* Le Conte.  
 118. *mutus* Say.  
 119. *erythropus* Dejean.  
 120. *fenoralis* Kirby.  
 121. *Ecarthrus sigillatus* Say.  
 122. *sodalis* Le Conte.  
 123. *Amara arida* Say.  
 124. *fulvipes* Putzeys.  
 125. *exarata* Dejean.  
 126. *angustata* Say.  
 127. *impuncticollis* Say.  
 128. *basillaris* Say.  
 129. *crassispina* Le Conte.  
 130. *cupreodata* Putzeys.

## LIST OF SPECIES—Continued.

131. *Amara fallax* Le Conte.  
 132.         *interstitialis* Dejean.  
 133.         *chaleea* Dejean.  
 134.         *rubrica* Haldeman.  
 135.         *musculus* Say.  
 136. *Loxandrus rectus* Say.  
 137.         *minor* Chauloir.  
 138.         *erraticus* Dejean.  
 139.         *agilis* Dejean.  
 140. *Diplochila laticollis* Le Conte.  
 141. *Diealus dilatatus* Say.  
 142.         *purpuratus* Bonelli.  
 143.         *ovalis* Le Conte.  
 144.         *elongatus* Bonelli.  
 145.         *ambiguus* Laferté.  
 146.         *teter* Bonelli.  
 147.         *politus* Dejean.  
 148. *Badister notatus* Haldeman.  
 149.         *pulchellus* Le Conte.  
 150.         *maculatus* Le Conte.  
 151.         *flavipes* Le Conte.  
 152.         *reflexus* Le Conte.  
 153. *Culathus gregarius* Say.  
 154.         *opaculus* Le Conte.  
 155.         *impunctatus* Say.  
 156. *Platynus caudatus* Le Conte.  
 157.         *deecus* Say.  
 158.         *sinuatus* Dejean.  
 159.         *cincticollis* Say.  
 160.         *reflexus* Le Conte.  
 161.         *extensicollis* Say.  
 162.         *decorus* Say.  
 163.         *macrurus* Dejean.  
 164.         *melanarius* Dejean.  
 165.         *carbo* Le Conte.  
 166.         *cypripennis* Say.  
 167.         *excavatus* Dejean.  
 168.         *ferreus* Haldeman.  
 169.         *nudans* Say.  
 170.         *striatopunctatus* Dejean.  
 171.         *picticornis* Newman.  
 172.         *8-punctatus* Fabricius.  
 173.         *placidus* Say.  
 174.         *bogemanii* Gyllenhal.  
 175.         *wruginosus* Dejean.  
 176.         *limbatus* Say.  
 177.         *punctiformis* Say.  
 178.         *crenistratiatus* Le Conte.  
 179.         *rubripes* Zimmermann.  
 180.         *picipennis* Kirby.  
 181.         *lataleatus* Le Conte.

182. *Olisthopus parvatus* Say.  
 183.         *micans* Le Conte.  
 184. *Perigona nigriceps* Dejean.  
 185.         *pallipennis* Le Conte.  
 186. *Atranus pubescens* Dejean.  
 187. *Leptotrichelus dorsalis* Fabricius.  
 188. *Casnonia pensylvanica* Linnaeus.  
 189.         *hudoviciana* Sallé.  
 190. *Galerita janus* Fabricius.  
 191.         *bicolor* Drury.  
 192. *Thalpius dorsalis* Brullé.  
 193. *Tetragonoderus fasciatus* Haldeman.  
 194. *Lebia grandis* Hentz.  
 195.         *atriventris* Say.  
 196.         *tricolor* Say.  
 197.         *pulchella* Dejean.  
 198.         *marginicollis* Dejean.  
 199.         *viridis* Say.  
 200.         var. *masta* Le Conte.  
 201.         *pumila* Dejean.  
 202.         *pleuritica* Le Conte.  
 203.         *viridipennis* Dejean.  
 204.         *lobulata* Le Conte.  
 205.         *ornata* Say.  
 206.         *analis* Dejean.  
 207.         *fuscata* Dejean.  
 208.         *abdominalis* Chauloir.  
 209.         *scapularis* Dejean.  
 210.         *depicta* Horn.  
 211.         *pectita* Horn.  
 212.         *birrittata* Fabricius.  
 213. *Coptodera wrata* Dejean.  
 214. *Dromius picceus* Dejean.  
 215. *Apristus cordicollis* Le Conte.  
 216.         *subsulcatus* Dejean.  
 217. *Blechrus glabratus* Duftschmid.  
 218.         *pusio* Le Conte.  
 219. *Metabletus americanus* Dejean.  
 220. *Plochionus timidus* Haldeman.  
 221. *Pinacodera limbata* Dejean.  
 222.         *platicollis* Say.  
 223. *Cymindis elegans* Le Conte.  
 224.         *americana* Dejean.  
 225.         *pilosa* Say.  
 226.         *neglecta* Haldeman.  
 227. *Apenea lucidula* Dejean.  
 228.         *sinuata* Say.  
 229. *Helluomorpha nigripennis* Dejean.  
 230.         *bicolor* Harris.  
 231. *Brachynus americanus* Le Conte.  
 232.         *minutus* Harris.

## LIST OF SPECIES—Continued.

233.	<i>Brachynus perplexus</i> Dejean.	284.	<i>Selenophorus ellipticus</i> Dejean.
234.	<i>ballistarius</i> Le Conte.	285.	<i>Stenolophus carbonarius</i> Brullé.
235.	<i>fumans</i> Fabricius.	286.	<i>spretus</i> Dejean.
236.	<i>Chlaenius sericeus</i> Forster.	287.	<i>fuliginosus</i> Dejean.
237.	<i>laticollis</i> Say.	288.	<i>plebejus</i> Dejean.
238.	<i>astivus</i> Say.	289.	<i>conunctus</i> Say.
239.	<i>prasinus</i> Dejean.	290.	<i>humidus</i> Hamilton.
240.	<i>lencoscelis</i> Chevrolat.	291.	<i>ochropeplus</i> Dejean.
241.	<i>nemoralis</i> Say.	292.	<i>alternans</i> Le Conte.
242.	<i>tricolor</i> Dejean.	293.	<i>Acupalpus hydropicus</i> Le Conte.
243.	<i>brevitabris</i> Le Conte.	294.	<i>carus</i> Le Conte.
244.	<i>pennsylvanicus</i> Say.	295.	<i>rectangulus</i> Chaudoir.
245.	<i>impunctifrons</i> Say.	296.	<i>Bradycellus linearis</i> Le Conte.
246.	<i>niger</i> Randall.	297.	<i>rupestris</i> Say.
247.	<i>tomentosus</i> Say.	298.	var. <i>parallelus</i> Chaudoir.
248.	<i>emarginatus</i> Say.	299.	<i>tantillus</i> Chaudoir.
249.	<i>cavulicollis</i> Chaudoir.	300.	<i>nigriceps</i> Le Conte.
250.	<i>Brachylobus lithophilus</i> Say.	301.	<i>Tuchycellus badiopennis</i> Haldeman.
251.	<i>Lachnacrepis parallelus</i> Say.	302.	<i>atrimedius</i> Say.
252.	<i>Audrichis minuta</i> Dejean.	303.	<i>Anisodactylus rusticus</i> Say.
253.	<i>Oodes amaroides</i> Dejean.	304.	<i>carbonarius</i> Say.
254.	<i>americanus</i> Dejean.	305.	<i>agricola</i> Say.
255.	<i>Evolenes exaratus</i> Dejean.	306.	<i>nigerrimus</i> Dejean.
256.	<i>Geopinus incrassatus</i> Dejean.	307.	<i>nigrita</i> Dejean.
257.	<i>Cratacanthus dubius</i> Beauvois.	308.	<i>discoideus</i> Dejean.
258.	<i>Agonoderus lineola</i> Fabricius.	309.	<i>baltimorensis</i> Say.
259.	<i>pallipes</i> Fabricius.	310.	<i>latetus</i> Dejean.
260.	<i>comma</i> Fabricius.	311.	<i>cænus</i> Say.
261.	<i>pauperculus</i> Dejean.	312.	<i>sericeus</i> Harris.
262.	<i>indistinctus</i> Dejean.	313.	<i>Xestonotus lugubris</i> Dejean.
263.	<i>testaceus</i> Dejean.	314.	<i>Amphasia interstitialis</i> Say.
264.	<i>micros</i> Le Conte.	315.	<i>Anisotarsus terminatus</i> Say.
265.	<i>Discoderus tenebrosus</i> Le Conte.	316.	<i>nitidipennis</i> Le Conte.
266.	<i>Gymnandropus hylacis</i> Say.	317.	<i>Spongopus verticalis</i> Le Conte.
267.	<i>Harpalus dichrous</i> Dejean.		<i>HALIPLID.E.</i>
268.	<i>rufipennis</i> Say.	318.	<i>Haliplus fasciatus</i> Aubé.
269.	<i>autumnalis</i> Say.	319.	<i>punctatus</i> Aubé.
270.	<i>erraticus</i> Say.	320.	<i>triopsis</i> Say.
271.	<i>caliginosus</i> Fabricius.	321.	<i>ruficollis</i> De Geer.
272.	<i>faunus</i> Say.	322.	<i>Cuemidotus simplex</i> Le Conte.
273.	<i>pennsylvanicus</i> De Geer.	323.	12- <i>punctatus</i> Say.
274.	var. <i>compar</i> Le Conte.		<i>DYTISCID.E.</i>
275.	var. <i>longior</i> Kirby.	324.	<i>Canthhydrus bicolor</i> Say.
276.	var. <i>erythropus</i> Dejean.	325.	<i>puncticollis</i> Crotch.
277.	<i>spadiceus</i> Dejean.	326.	<i>Hydrocanthus iricolor</i> Say.
278.	<i>herbiragus</i> Say.	327.	<i>Laccophilus maculosus</i> Germar.
279.	<i>nitidulus</i> Chaudoir.	328.	<i>fasciatus</i> Aubé.
280.	<i>ridens</i> Le Conte.	329.	<i>proximus</i> Say.
281.	<i>Selenophorus pedicularius</i> Dejean.	330.	<i>undatus</i> Aubé.
282.	<i>gagatinus</i> Dejean.		
283.	<i>opalinus</i> Le Conte.		

## LIST OF SPECIES—Continued.

331. *Hydrocatus pustulatus* Melsheimer.  
 332. *Desmopachria convexa* Aubé.  
 333. *Bidessus flavicollis* Le Conte.  
 334.      *afinis* Say.  
 335.      *lucustris* Say.  
 336.      *granarius* Aubé.  
 337. *Celina angustata* Aubé.  
 338. *Celambus nubilus* Le Conte.  
 339.      *dissimilis* Gemminger and Harold.  
 340. *Hydroporus concinnus* Le Conte.  
 341.      *pulcher* Le Conte.  
 342.      *mellitus* Le Conte.  
 343.      *inornatus* Sharp.  
 344.      *niger* Say.  
 345.      *modestus* Aubé.  
 346.      *oblitus* Aubé.  
 347.      *undulatus* Say.  
 348.      *consimilis* Le Conte.  
 349.      *proximus* Aubé.  
 350.      *ritiosus* Le Conte.  
 351.      *sericens* Le Conte.  
 352.      *striatopunctatus* Melsheimer.  
 353.      *americanus* Aubé.  
 354. *Ilybius biguttulus* Germar.  
 355. *Coptotomus interrogatus* Fabricius.  
 356. *Copelatus glypticus* Say.  
 357. *Matus bicarinatus* Say.  
 358. *Agabites aculeatus* Harris.  
 359. *Agabus seriatus* Say.  
 360.      *obtusatus* Say.  
 361.      *stagninus* Say.  
 362.      *disintegratus* Crotch.  
 363.      *erythropterus* Say.  
 364.      *gagates* Aubé.  
 365. *Rhantus calidus* Fabricius.  
 366. *Hydaticus bimarginatus* Say.  
 367. *Dytiscus hybrida* Aubé.  
 368. *Aciilius mediatus* Say.  
 369. *Thermonectes ornatocollis* Aubé.  
 370.      *basiluris* Harris.  
 371. *Graphoderes liberus* Say.  
 372. *Cybister fimbriolatus* Say.

*GYRINIDÆ.*

373. *Dineutes vittatus* Germar.  
 374.      *carolinus* Le Conte.  
 375.      *assimilis* Aubé.  
 376.      *discolor* Aubé.  
 377.      *emarginatus* Say.

378. *Dineutes nigrior* Roberts.  
 379. *Gyrius rockinghamensis* Zimmermann.  
 380.      *aneolus* Le Conte.  
 381.      *ventralis* Kirby.  
 382.      *analis* Say.

*HYDROPHILIDÆ.*

383. *Helophorus lineatus* Say.  
 384.      *inquinatus* Mannerheim.  
 385. *Hydrochus securatus* Mulsant.  
 386.      *inqualis* Le Conte.  
 387.      *subcupreus* Randall.  
 388. *Hydræna pennsylvanica* Kiesenwetter.  
 389. *Hydrophilus triangularis* Say.  
 390.      *oratus* Gemminger and Harold.  
 391. *Tropisternus nimbatus* Say.  
 392.      *glaber* Herbst.  
 393.      *striolatus* Le Conte.  
 394. *Hydrocharis obtusatus* Say.  
 395. *Berosus peregrinus* Herbst.  
 396.      *exiguus* Say.  
 397.      *striatus* Say.  
 398. *Laccobius agilis* Randall.  
 399. *Philhydrus nebulosus* Say.  
 400.      *ochraceus* Melsheimer.  
 401.      *cinetus* Say.  
 402.      *perplexus* Le Conte.  
 403. *Helochares maculicollis* Mulsant.  
 404. *Helocombus bifidus* Le Conte.  
 405. *Cymbiodyta fimbriata* Melsheimer.  
 406.      *blanchardi* Horn.  
 407. *Hydrobius fuscipes* Linnaeus.  
 408.      *globosus* Say.  
 409.      *tesselatus* Ziegler.  
 410. *Creniphilus subcupreus* Say.  
 411.      *suturalis* Le Conte.  
 412. *Phænonotum exstriatum* Say.  
 413. *Cercyon unipunctatus* Linnaeus.  
 414.      *prætextatus* Say.  
 415.      *indistinctus* Horn.  
 416.      *analis* Paykull.  
 417.      *analis* var. ?  
 418.      *lugubris* Paykull.  
 419.      *hexorrhoidalis* Fabricius.  
 420.      *nigriceps* Marsham.  
 421.      *pygmaeus* Illiger.  
 422.      *melanocephalus* Linnaeus.  
 423.      *ranarius* Erichson.

## LIST OF SPECIES—Continued.

424. *Cercyon navicularis* Zimmermann.  
 425.        *pubescens* Le Conte.  
 426. *Cryptopleurum minutum* Fabricius.  
 427.        *americanum* Horn.  
 428. *Pemelus costatus* Le Conte.

## LEPTINID.E.

429. *Leptinus testaceus* Müller.

## SILPHIID.E.

430. *Necrophorus americanus* Olivier.  
 431.        *orbicollis* Say.  
 432.        *marginatus* Fabricius.  
 433.        *tomentosus* Weber.  
 434. *Silpha surinamensis* Weber.  
 435.        *lapponica* Herbst.  
 436.        *inqualis* Fabricius.  
 437.        *noveboracensis* Forster.  
 438.        *americana* Linnaeus.  
 439. *Pinodytes cryptophagooides* Mannerheim.  
 440. *Cholera luridipennis* Mannerheim.  
 441.        *simplex* Say.  
 442.        *elaticornis* Le Conte.  
 443.        *terminata* Le Conte.  
 444. *Prionochata opava* Say.  
 445. *Ptomaphagus consobrinus* Le Conte.  
 446.        *ulkei* Horn.  
 447.        *oblitus* Le Conte.  
 448.        *parasitus* Le Conte.  
 449. *Colon paradoxum* Horn.  
 450.        *hubbardi* Horn.  
 451.        *putum* Horn.  
 452.        *pusillum* Horn.  
 453.        *thoracicum* Horn.  
 454.        *asperatum* Horn.  
 455. *Anisotoma alternata* Melsheimer.  
 456.        *assimilis* Le Conte.  
 457.        *collaris* Le Conte.  
 458.        *obsoleta* Melsheimer.  
 459. *Colenis impunctata* Le Conte.  
 460. *Liodes discolor* Melsheimer.  
 461.        *obsoleta* Horn.  
 462.        *basalis* Le Conte.  
 463.        *geminata* Horn.  
 464. *Cyrtusa picipennis* Le Conte.  
 465.        *blandissima* Zimmermann.  
 466.        *egena* Le Conte.  
 467. *Isoplastus fossor* Horn.  
 468. *Agathidium ouisceoides* Beauvois.  
 469.        *exiguum* Melsheimer.

470. *Agylyptus larris* Le Conte.  
 471. *Clambus gibbulus* Le Conte.  
 472.        *puberulus* Le Conte.

## SCYDMAENID.E.

473. *Chevrolatia amena* Le Conte.  
 474. *Brachycepsis subpunctatus* Le Conte.  
 475.        *cribrarius* Le Conte.  
 476.        *perforatus* Schaum.  
 477. *Scydmaenus flavirtensis* Le Conte.  
 478.        *fossiger* Le Conte.  
 479.        *capillulosus* Le Conte.  
 480.        *basalis* Le Conte.  
 481.        *hirtellus* Le Conte.  
 482.        *analis* Le Conte.  
 483.        *brevicornis* Say.  
 484.        *rasus* Le Conte.  
 485.        *obscurellus* Le Conte.  
 486.        *claratus* Le Conte.  
 487.        *claripes* Say.  
 488.        *consobrinus* Le Conte.  
 489.        *lecontei* Schaufuss.  
 490.        *salinator* Le Conte.  
 491.        *fatus* Le Conte.  
 492.        *misellus* Le Conte.  
 493.        *furus* Le Conte.  
 494.        *pyramidalis* Le Conte.  
 495. *Eumicrus grossus* Le Conte.  
 496.        *motshulskii* Le Conte.  
 497. *Cholerus zimmermanni* Schaum.  
 498. *Cephennium corporosum* Le Conte.

## PSELAPHID.E.

499. *Adranea lecontii* Brendel.  
 500. *Ceophyllus monilis* Le Conte.  
 501. *Cedius ziegleri* Le Conte.  
 502.        *spinosus* Le Conte.  
 503. *Tmesiphorus costalis* Le Conte.  
 504.        *carinatus* Le Conte.  
 505. *Chemium monilicorne* Brendel.  
 506. *Ctenistes piecus* Le Conte.  
 507.        *consobrinus* Le Conte.  
 508.        *zimmermanni* Le Conte.  
 509. *Tyrus humerulus* Aubé.  
 510. *Pselaphus erichsonii* Le Conte.  
 511. *Tychus longipalpus* Le Conte.  
 512.        *minor* Le Conte.  
 513. *Eutrichites zimmermanni* Le Conte.  
 514. *Nisaxis tomentosa* Aubé.  
 515. *Dearthrou abnorme* Le Conte.  
 516.        *excetum* Brendel.

## LIST OF SPECIES—Continued.

517. *Decarthron stigmosum* Brendel.  
 518.         *longulum* Brendel.  
 519.         *formiceti* Le Conte.  
 520. *Bryaxis valida* Brendel.  
 521.         *conjuncta* Le Conte.  
 522.         *luniger* Le Conte.  
 523.         *caricornis* Brendel.  
 524.         *abdominalis* Aubé.  
 525.         *floridana* Brendel.  
 526.         *internedia* Brendel.  
 527.         *ulkei* Brendel.  
 528.         *illinoiensis* Brendel.  
 529.         *dentata* Say.  
 530.         *perforata* Brendel.  
 531.         *belfragei* Le Conte.  
 532.         *gemmifer* Le Conte.  
 533.         *atlantica* Brendel.  
 534.         *congener* Brendel.  
 535.         *rubicunda* Aubé.  
 536.         *puncticollis* Le Conte.  
 537. *Arthrinus globicollis* Le Conte.  
 538. *Batrissus iona* Le Conte.  
 539.         *ferox* Le Conte.  
 540.         *monstrosus* Le Conte.  
 541.         *schauvii* Aubé.  
 542.         *riparius* Aubé.  
 543.         *seabriiceps* Le Conte.  
 544.         *bistriatus* Le Conte.  
 545.         *globosus* Le Conte.  
 546.         *spretus* Le Conte.  
 547.         *punctifrons* Casey.  
 548.         *denticollis* Casey.  
 549.         *triangulifer* Brendel.  
 550.         *nigricans* Le Conte.  
 551. *Trimium globifer* Le Conte.  
 552.         *impancillum* Brendel.  
 553.         *discolor* Le Conte.  
 554.         *parrulum* Le Conte.  
 555.         *convexus* Le Conte.  
 556.         *dubium* Le Conte.  
 557.         *simplex* Le Conte.  
 558. *Rhexidius canaliculatus* Le Conte.  
 559. *Rhexius insculptus* Le Conte.  
 560. *Thesium caevifrons* Le Conte.  
 561. *Trimioplectus arcuatus* Le Conte.  
 562. *Euplectus leuciceps* Casey.  
 563.         *interruptus* Le Conte.  
 564.         *difficilis* Le Conte.  
 565.         *congener* Casey.  
 566.         *linearis* Le Conte.

567. *Euplectus confluens* Le Conte.  
 568.         *pertenuis* Casey.  
 569. *Eudyphalus similis* Le Conte.

STAPHYLINIDÆ.

570. *Allochara<sup>1</sup> lata* Gravenhorst.  
 571.         *brachyptera* Fourcroy.  
 572.         *bimaculata* Gravenhorst.  
 573.         *nitida* Gravenhorst.  
 574. *Cratareca suturalis* Mannerheim.  
 575. *Ocyptoda<sup>2</sup> sagulata* Erichson.  
 576.         *minuta* Sachse.  
 577. *Ocyusa asperula* Casey.  
 578. *Thiasophilà angustiventris* Casey.  
 579. *Ocealea* sp.  
 580. *Phiacopora latens* Erichson.  
 581. *Xenodusura cara* Le Conte.  
 582. *Myrmecodia rufis* Le Conte.  
 583.         *planifera* Casey.  
 584.         *loricata* Casey.  
 585.         *caliginosa* Casey.  
 586.         *schwarzi* Wasmann.  
 587. *Philothermes pennsylvanicus* Kraatz.  
 588.         *pilosus* Kraatz.  
 589. *Callicerus*, two species.  
 590. *Hoplandria<sup>2</sup> lateralis* Melsheimer.  
 591. *Trichiusa<sup>3</sup> compacta* Casey.  
 592. *Atheta<sup>3</sup> ximula* Erichson.  
 593.         *dichroa* Gravenhorst.  
 594.         *luteola* Erichson.  
 595.         *recondita* Erichson.  
 596.         *analis* Gravenhorst.  
 597.         *liridipennis* Mannerheim.  
 598. *Tachypusa gracillima* Le Conte.  
 599.         *nigrella* Le Conte.  
 600.         *baltifera* Le Conte.  
 601. *Falagria bilobata* Say.  
 602.         *cingulata* Le Conte.  
 603.         *dissecta* Erichson.  
 604.         *quadriiceps* Le Conte.  
 605.         *venustula* Erichson.  
 606. *Bolitochara trimaculata* Erichson.  
 607. *Myrmecochara debilis* Wasmann.  
 608. *Euryusa obtusa* Le Conte.  
 609. *Leptusa<sup>2</sup> opaca* Casey.  
 610. *Silusa*.<sup>4</sup>  
 611. *Homalota plana* Gyllenhal.  
 612. *Placusa*.<sup>2</sup>  
 613. *Gyrophana<sup>5</sup> rinula* Erichson.  
 614.         *flavicornis* Melsheimer.

<sup>1</sup> One species undetermined.<sup>2</sup> Several undetermined species.<sup>3</sup> Many undetermined species.<sup>4</sup> Three undetermined species.<sup>5</sup> About eight undetermined species.

## LIST OF SPECIES—Continued.

615. <i>Gyrophana corruscula</i> Erichson.	662. <i>Philonthus cunctans</i> Horn.
616. <i>Oligota<sup>1</sup> pedalis</i> Le Conte.	663. <i>aqualis</i> Horn.
617. <i>Myllana<sup>2</sup> infuscata</i> Kraatz.	664. <i>brunneus</i> Gravenhorst.
618. <i>Dinopsis americanus</i> Kraatz.	665. <i>cyanipennis</i> Fabricius.
619. <i>myllanoides</i> Kraatz. <sup>3</sup>	666. <i>blandus</i> Gravenhorst.
620. <i>Acylophorus flavicollis</i> Sachse.	667. <i>cephalotes</i> Gravenhorst.
621. <i>pronus</i> Erichson.	668. <i>inquietus</i> Erichson.
622. <i>densus</i> Le Conte.	669. <i>ventralis</i> Gravenhorst.
623. <i>Heterothops pusio</i> Le Conte.	670. <i>microphthalmus</i> Horn.
624. <i>Quedius ferox</i> Le Conte.	671. <i>baltimorensis</i> Graven-
625. <i>fulgidus</i> Fabricius.	horst.
626. <i>peregrinus</i> Gravenhorst.	672. <i>apicalis</i> Say.
627. <i>capucinus</i> Gravenhorst.	673. <i>Actobius cinerascens</i> Gravenhorst.
628. <i>molochinus</i> Gravenhorst.	674. <i>procerulus</i> Gravenhorst.
629. <i>Listotrophus cingulatus</i> Gravenhorst.	675. <i>sobrinus</i> Erichson.
630. <i>Creophilus villosus</i> Gravenhorst.	676. <i>patella</i> Horn.
631. <i>Staphylinus vulpinus</i> Nordmann.	677. <i>loxatus</i> Horn.
632. <i>maculosus</i> Gravenhorst.	678. <i>parcus</i> Horn.
633. <i>mysticus</i> Erichson.	679. <i>paderoides</i> Horn.
634. <i>tomentosus</i> Gravenhorst.	680. <i>jocosus</i> Horn.
635. <i>fossator</i> Gravenhorst.	681. <i>terminialis</i> Le Conte.
636. <i>comes</i> Le Conte.	682. <i>lepidulus</i> Le Conte.
637. <i>cinnamopterus</i> Graven- horst.	683. <i>Xantholinus fulgidus</i> Fabricius.
638. <i>violaceus</i> Gravenhorst.	684. <i>cephalus</i> Say.
639. <i>viridans</i> Horn.	685. <i>obsidianus</i> Melsheimer.
640. <i>exulans</i> Erichson.	686. <i>emmesus</i> Gravenhorst.
641. <i>praloungus</i> Mannerheim.	687. <i>hamatus</i> Say.
642. <i>Ocyphus ater</i> Gravenhorst.	688. <i>temporalis</i> Le Conte.
643. <i>Belonuchus formosus</i> Gravenhorst.	689. <i>Leptolinus rubripennis</i> Le Conte.
644. <i>Tympanophorus puncticollis</i> Erichson.	690. <i>Leptacinus longicollis</i> Le Conte.
645. <i>Philonthus politus</i> Linnaeus.	691. <i>nigritulus</i> Le Conte.
646. <i>umbratilis</i> Gravenhorst.	692. <i>cephaticus</i> Le Conte.
647. <i>latulus</i> Say.	693. <i>Diochus schaumi</i> <sup>4</sup> Kraatz.
648. <i>asper</i> Horn.	694. <i>Stenus bipunctatus</i> Erichson.
649. <i>hepaticus</i> Erichson.	695. <i>colon</i> Say.
650. <i>umbrinus</i> Gravenhorst.	696. <i>semicolon</i> Le Conte.
651. <i>palliatus</i> Gravenhorst.	697. <i>delawarensis</i> Casey.
652. <i>debilis</i> Gravenhorst.	698. <i>militaris</i> Casey.
653. <i>varians</i> Paykull.	699. <i>colonus</i> Erichson.
654. <i>longicornis</i> Stephens.	700. <i>stygius</i> Say.
655. <i>discoideus</i> Gravenhorst.	701. <i>egenus</i> Erichson.
656. <i>thermarum</i> Aubé.	702. <i>septilifer</i> Casey.
657. <i>alumnus</i> Erichson.	703. <i>carolinæ</i> Casey.
658. <i>thoracicus</i> Gravenhorst.	704. <i>argus</i> Gravenhorst.
659. <i>fusiformis</i> Melsheimer.	705. <i>dispar</i> Casey.
660. <i>fulvipes</i> Fabricius.	706. <i>croceatus</i> Casey.
661. <i>lomatus</i> Erichson.	707. <i>flavicornis</i> Erichson.
	708. <i>annularis</i> Erichson.

<sup>1</sup> Several undetermined species.<sup>2</sup> Several species.<sup>3</sup> A large number of species belonging to different genera of the subfamily Aleocharinae still remain undetermined.

## LIST OF SPECIES—Continued.

709.	<i>Stenus callosus</i> Erichson.	759.	<i>Tochinus menoumias</i> Gravenhorst.
710.	<i>arculus</i> Erichson.	760.	<i>huridus</i> Erichson.
711.	<i>punctatus</i> Erichson.	761.	<i>flavipennis</i> Dejean.
712.	<i>Euxesthetus americanus</i> Erichson.	762.	<i>repandus</i> Horn.
713.	<i>Edaphus nitidus</i> Le Conte.	763.	<i>fiubriatus</i> Gravenhorst.
714.	<i>Stictocranius puncticeps</i> Le Conte.	764.	<i>picipes</i> Erichson.
715.	<i>Cryptobium badium</i> Gravenhorst.	765.	<i>limbatus</i> Melsheimer.
716.	<i>bicolor</i> Gravenhorst.	766.	<i>fumipeunis</i> Say.
717.	<i>carolinum</i> Erichson.	767.	<i>nitiduloides</i> Horn.
718.	<i>pallipes</i> Gravenhorst.	768.	<i>pallipes</i> Gravenhorst.
719.	<i>latebricola</i> Nordmann.	769.	<i>Tachyporus maculipennis</i> Le Conte.
720.	<i>flavicornis</i> Le Conte.	770.	<i>elegans</i> Horn.
721.	<i>cribratum</i> Le Conte.	771.	<i>jocosus</i> Say.
722.	<i>serpentinum</i> Le Conte.	772.	<i>chrysomelinus</i> Linnaeus.
723.	<i>Lathrobium terminatum</i> Gravenhorst.	773.	<i>nitidulus</i> Fabricius.
724.	<i>angulare</i> Le Conte.	774.	<i>uuuus</i> Erichson.
725.	<i>armatum</i> Say.	775.	<i>Cilea silphoides</i> Linnaeus.
726.	<i>simile</i> Le Conte.	776.	<i>Erchomus ventriculus</i> Say.
727.	<i>longiusculum</i> Graven-	777.	<i>keris</i> Le Conte.
	horst.	778.	<i>Couosoma knoxii</i> Le Conte.
728.	<i>collare</i> Erichson.	779.	<i>crassum</i> Gravenhorst.
729.	<i>ambiguum</i> Le Conte.	780.	<i>parrulum</i> Horn.
730.	<i>ventrale</i> Le Conte.	781.	<i>basale</i> Erichson.
731.	<i>anale</i> Le Conte.	782.	<i>opicum</i> Say.
732.	<i>pallidulum</i> Le Conte.	783.	<i>scriptum</i> Horn.
733.	<i>dimidiatum</i> Say.	784.	<i>Bolitobius niger</i> Gravenhorst.
734.	<i>Scapus exiguis</i> Erichson.	785.	<i>dimidiatus</i> Erichson.
735.	<i>opuscus</i> Le Conte.	786.	<i>intrusus</i> Horn.
736.	<i>nitidus</i> Le Conte.	787.	<i>cincticollis</i> Say.
737.	<i>Stilicus tristis</i> Melsheimer.	788.	<i>anticus</i> Horn.
738.	<i>opaculus</i> Le Conte.	789.	<i>angularis</i> Sachse.
739.	<i>angularis</i> Le Conte.	790.	<i>trivatatus</i> Erichson.
740.	<i>dentatus</i> Say.	791.	<i>obsoletus</i> Say.
741.	<i>biarmatus</i> Le Conte.	792.	<i>cinctus</i> Gravenhorst.
742.	<i>rudis</i> Le Conte.	793.	var. <i>gentilis</i> Le Conte.
743.	<i>Lithocharis<sup>1</sup> ochracea</i> Gravenhorst.	794.	<i>Bryoporus flaripes</i> Le Conte.
744.	<i>Aderocharis corticina</i> Gravenhorst.	795.	<i>rufescens</i> Le Conte.
745.	<i>Trachysectes confluens</i> Say.	796.	<i>Mycetoporus humidus</i> Say.
746.	<i>Paderus littorarius</i> Gravenhorst.	797.	<i>tenuis</i> Horn.
747.	<i>Sunius prolixus</i> Erichson.	798.	<i>censoris</i> Le Conte.
748.	<i>binotatus</i> Say.	799.	<i>americanus</i> Erichson.
749.	<i>longiusculus</i> Mannerheim.	800.	<i>flavicollis</i> Le Conte.
750.	<i>Echiaster brevicornis</i> Casey.	801.	<i>splendidus</i> Gravenhorst.
751.	<i>Stilocopsis monstrosa</i> Le Conte.	802.	<i>Pseudopsis sulcata</i> Newman.
752.	<i>paradoxa</i> Sachse.	803.	<i>Megalops celatus</i> Gravenhorst.
753.	<i>Pinophilus picipes</i> Erichson.	804.	<i>Oxyporus femoralis</i> Gravenhorst.
754.	<i>latipes</i> Erichson.	805.	<i>major</i> Gravenhorst.
755.	<i>opuscus</i> Le Conte.	806.	<i>stygius</i> Say.
756.	<i>Palaminus testaceus</i> Erichson.	807.	<i>rufipennis</i> Le Conte.
757.	<i>contortus</i> Le Conte.	808.	<i>vittatus</i> Gravenhorst.
758.	<i>Microcyptus testaceus</i> Le Conte.	809.	<i>fasciatus</i> Melsheimer.

<sup>1</sup> About five other unnamed species.

## LIST OF SPECIES—Continued.

810. *Ocyptorus bicolor* Fauvel.  
 811.      *lateralis* Gravenhorst.  
 812.      *occipitalis* Fauvel.  
 813.      *lepidus* Le Conte.  
 814.      *5-maculatus* Le Conte.  
 815. *Osorius latipes* Erichson.  
 816. *Holotrochus liceicauda* Le Conte.  
 817. *Bledius mandibularis* Erichson.  
 818.      *semiferrugineus* Le Conte.  
 819.      *analis* Le Conte.  
 820.      *sinuatus* Le Conte.  
 821.      *annularis* Le Conte.  
 822.      *confusus* Le Conte.  
 823.      *emarginatus* Say.  
 824. *Platystethus americanus* Erichson.  
 825. *Oxytelus incolumis* Erichson.  
 826.      *sculptus* Gravenhorst.  
 827.      *penusyrianicus* Erichson.  
 828.      *laqueatus* Marsham.  
 829.      *insignitus* Gravenhorst.  
 830.      *suspectus* Casey.  
 831.      *placinus* Le Conte.  
 832.      *nanus* Erichson.  
 833.      *exiguus* Erichson.  
 834. *Trogophlaeus quadripunctatus* Say.  
 835.      *areifer* Le Conte.  
 836.      *mennoni* Erichson.  
 837.      *corrinus* Casey.  
 838.      *fulvipes* Erichson.  
 839.      *subtilis* Erichson.  
 840.      *uniformis* Le Conte.  
 841.      *spretus* Casey.  
 842.      *dificilis* Casey.  
 843.      *riparius* Lacordaire.  
 844.      *fulginosus* Gravenhorst.  
 845.      *pusillus* Gravenhorst.  
 846.      *tenellus* Erichson.  
 847. *Apocellus sphaericollis* Erichson.  
 848. *Ancyrophorus*.<sup>1</sup>  
 849. *Thinobius fimbriatus* Le Conte.  
 850. *Geodromicus cæsus* Erichson.  
 851.      *nigrita* Müller.  
 852. *Lestera pallipes* Le Conte.  
 853. *Acidota subcarinata* Erichson.  
 854. *Arpedium schwarzi* Fauvel.  
 855. *Olophrum obiectum* Erichson.  
 856. *Homalium<sup>2</sup> humerosum* Fauvel.  
 857.      *repandum* Erichson.  
 858.      *cribrum* Fauvel.  
 859.      *diffusum* Fauvel.  
 860.      *rufipes* Fourcroy.  
 861. *Homalium fractum* Fauvel.  
 862.      *hamatum* Fauvel.  
 863. *Anthobium convexum* Fauvel.  
 864. *Ephelis notata* Le Conte.  
 865.      *guttata* Le Conte.  
 866. *Protinus atomarius* Erichson.  
 867. *Megarthrus americanus* Sachse  
 868. *Lispinota exiguus* Erichson.  
 869. *Glyptoma costale* Erichson.  
 870. *Triga picipennis* Le Conte.  
 871. *Elensis pallida* Le Conte.  
 872.      *nigrella* Le Conte.  
 873. *Siagonium americanum* Melsheimer.  
 874. *Micropeplus cibratus* Le Conte.

## TRICHOPTERYGID.E.

875. *Nossidium americanum* Motschulsky.  
 876. *Ptilium collani* Macklin.  
 877. *Pteridium foreicolle* Le Conte.  
 878.      *speculifer* Matthews.  
 879.      *evanescens* Marsham.  
 880.      *lineatum* Le Conte.  
 881. *Limnolodes paradoxus* Matthews.  
 882. *Pteryx balleata* Le Conte.  
 883. *Ptinellodes lecontei* Matthews.  
 884. *Trichopteryx<sup>3</sup> parallela* Motschulsky.  
 885.      *haldemanii* Le Conte.  
 886.      *abrupta* Haldeman.  
 887.      *aspera* Haldeman.  
 888.      *morens* Matthews.  
 889.      *sericans* Heer.  
 890.      *glabricollis* Matthews.  
 891. *Smicrus filicornis* Fairmaire.  
 892. *Ptinella querens* Le Conte.  
 893.      *pini* Le Conte.  
 894. *Nephantes laviusculus* Matthews.

## SCAPHIDIID.E.

895. *Scaphidium oblitteratum* Le Conte.  
 896.      *quadriguttatum* Say.  
 897.      var. *piceum* Melsheimer.  
 898. *Cyprarium flavipes* Le Conte.  
 899. *Baocera concolor* Fabricius.  
 900.      *apicalis* Le Conte.  
 901. *Toxidium gammaroides* Le Conte.  
 902. *Scaphisoma convexum* Say.  
 903.      *punctulatum* Le Conte.  
 904.      *suturale* Le Conte.  
 905.      *terminatum* Melsheimer.  
 906.      *pusillum* Le Conte.

<sup>1</sup> Undescribed species.<sup>2</sup> And several undescribed species.<sup>3</sup> Several undescribed species.

## LIST OF SPECIES—Continued.

## PHALACRIDID.E.

907. *Phalacrus penicillatus* Say. 952. *Brachycantha dentipes* Fabricius.  
 908.       *politus* Melsheimer. 953.       *ursina* Fabricius.  
 909.       *pumilio* Le Conte. 954.       var. *flavifrons* Mulsant.  
 910. *Olibrus lecontei* Casey. 955.       var. *10-pustulata* Melsheimer.  
 911.       *picus* Casey. 956.       var. *basalis* Melsheimer.  
 912.       *striatulus* Le Conte. 957.       *4-punctata* Melsheimer.  
 913.       *consimilis* Melsheimer. 958.       *indubitabilis* Crotch.  
 914.       *nitidus* Melsheimer. 959. *Hyperaspis fimbriolata* Melsheimer.  
 915.       *pusillus* Le Conte. 960.       *undulata* Say.  
 916. *Litochrus immaculatus* Casey. 961.       *levissii* Crotch.  
 917. *Litochropus sculptus* Casey. 962.       *signata* Olivier.

## CORYLOPHIID.E.

918. *Sucium fasciatum* Say. 963.       *proba* Say.  
 919.       *lepidum* Le Conte. 964.       *bigeminata* Randall.  
 920.       *lunatum* Le Conte. 965.       *praeceps* Le Conte.  
 921.       *misellum* Le Conte. 966. *Scymnus myrmidon* Mulsant.  
 922.       *splendens* Schwarz. 967.       *quadrifasciatus* Le Conte.  
 923.       *scitulum* Le Conte. 968.       *xanthaspis* Mulsant.  
 924. *Arthrolips marginicollis* Le Conte. 969.       *terminatus* Say.  
 925. *Corylophus truncatus* Le Conte. 970.       *intrusus* Horn.  
 926. *Sericoderus flavidus* Le Conte. 971.       *flavifrons* Melsheimer.  
 927.       *obscurus* Le Conte. 972.       var. *bioculatus* Mulsant.  
 928.       *subtilis* Le Conte. 973.       *americanus* Mulsant.  
 929. *Orthoperus glaber* Le Conte. 974.       *fraterculus* Le Conte.

## COCCINELLID.E.

930. *Anisosticta seriata* Melsheimer. 975.       *collaris* Melsheimer.  
 931. *Megilla maculata* De Geer. 976.       *cervicalis* Mulsant.  
 932. *Hippodamia glacialis* Fabricius. 977.       *tenebrosus* Mulsant.  
 933.       *convergens* Guérin. 978.       *punctum* Le Conte.  
 934.       *13-punctata* Linnaeus. 979.       *nanus* Le Conte.  
 935.       *parenthesis* Say. 980.       *punctatus* Melsheimer.  
 936. *Coccinella aequata* Randall. 981. *Cephaloscygnus zimmermanni* Crotch.  
 937.       *9-notata* Herbst. 982. *Epilachna borealis* Fabricius.  
 938.       *sanguinea* Linnaeus.        

## ENDOMYCHID.E.

939.       *oculata* Fabricius. 983. *Alexia lobata* Le Conte.  
 940.       var. *abdominalis* Say. 984. *Anamorphus pusillus* Zimmermann.  
 941. *Adalia bipunctata* Linnaeus. 985. *Synbiotes ulkei* Crotch.  
 942. *Harmonia picta* Randa. 986.       *minor* Crotch.  
 943. *Mysia pullata* Say. 987. *Mycetaea hirta* Marsham.  
 944. *Anatis ocellata* Linnaeus. 988. *Rhanis unicolor* Ziegler.  
 945. *Psyllobora 20-maculata* Say. 989. *Liestes*.<sup>1</sup>  
 946. *Chilocorus bivulnerus* Mulsant. 990. *Phymaphora pulchella* Newman.  
 947. *Ecochomus marginipennis* Le Conte. 991. *Lycoperdina ferruginea* Le Conte.  
 948.       *3-pustulatus* De Geer. 992. *Aphorista vittata* Fabricius.  
 949. *Cryptognatha pusilla* Le Conte. 993. *Mycetina testacea* Fabricius.  
 950. *Smilia marginata* Le Conte. 994.       *perpulchra* Newman.  
 951.       *misella* Le Conte. 995. *Stenotarsus hispidus* Herbst.

<sup>1</sup>Species not described.

## LIST OF SPECIES—Continued.

## EROTYLID.E.

997. *Languria bicolor* Fabricius.  
 998.         *mozardi* Latreille.  
 999.         *angustata* Beauvois.  
 1000.         var. *trifasciata* Say.  
 1001.         *lecontei* Crotch.  
 1002. *Acropteroxys gracilis* Newman.  
 1003. *Euxestus punctatus* Le Conte.  
 1004. *Dacne 4-maculata* Say.  
 1005. *Megalodaene fasciata* Fabricius.  
 1006.         *heros* Say.  
 1007. *Ischyurus 4-punctatus* Olivier.  
 1008. *Mycotretus sanguinipennis* Say.  
 1009.         *pulchra* Say.  
 1010. *Tritoma humeralis* Fabricius.  
 1011.         var. *anilica* Horn.  
 1012.         *biguttata* Say.  
 1013.         *minuetica* Crotch.  
 1014.         *erythrocephala* Lacordaire.  
 1015.         *angulata* Say.  
 1016.         *affinis* Lacordaire.  
 1017.         *unicolor* Say.  
 1018.         *thoracica* Say.  
 1019.         *flavicollis* Lacordaire.

## COLYDIID.E.

1020. *Synechita laticollis* Le Conte.  
 1021.         *obscura* Horn.  
 1022.         *parvula* Guérin.  
 1023.         *fuliginosa* Melsheimer.  
 1024.         *granulata* Say.  
 1025. *Cicones marginalis* Melsheimer.  
 1026. *Ditoma quadriguttata* Say.  
 1027.         *quadricollis* Horn.  
 1028. *Coxelus guttulatus* Le Conte.  
 1029. *Laseconotus referendarius* Zimmermann.  
 1030. *Aulonium parallelopedium* Say.  
 1031.         *tuberculatum* Le Conte.  
 1032. *Colydium lineola* Say.  
 1033.         var. *nigripenne* Le Conte.  
 1034. *Aglenus brunneus* Gyllenhal.  
 1035. *Oxylymus americanus* Le Conte.  
 1036. *Penthelispa haematodes* Fabricius.  
 1037.         *reflexa* Say.  
 1038. *Pycnomerus soleicollis* Le Conte.  
 1039. *Bothrideres geminatus* Say.  
 1040. *Erotylathris exaratus* Melsheimer.  
 1041. *Cerylon castaneum* Say.  
 1042. *Philotheratus glabriculus* Le Conte.

## MURMIDIID.E.

1043. *Murmidius oralis* Beck.  
 1044. *Mychocerus depressus* Le Conte.

## RHYS SODID.E.

1045. *Rhyssodes exaratus* Illiger.  
 1046. *Clinidium sculptile* Newman.

## CUCUJID.E.

1047. *Silvanus surinamensis* Linnaeus.  
 1048.         *bidentatus* Fabricius.  
 1049.         *planatus* Germar.  
 1050.         *imbellis* Le Conte.  
 1051.         *adrena* Waltl.  
 1052.         *rectus* Le Conte.  
 1053. *Nausibius claricornis* Kugelann.  
 1054.         *repandus* Le Conte.  
 1055. *Catogenus rufus* Fabricius.  
 1056. *Pediacus depressus* Herbst.  
 1057. *Cucujus clavipes* Fabricius.  
 1058. *Iuo reclusa* Le Conte.  
 1059. *Xenophlaeus biguttatus* Say.  
 1060.         *fasciatus* Melsheimer.  
 1061.         *modestus* Say.  
 1062.         *convexus* Le Conte.  
 1063.         *adustus* Le Conte.  
 1064.         *testaceus* Fabricius.  
 1065.         *punctatus* Le Conte.  
 1066.         *angustulus* Le Conte.  
 1067.         *schwarzi* Casey.  
 1068.         *alternans* Erichson.  
 1069.         *pusillus* Schönherr.  
 1070. *Lathropus vernalis* Le Conte.  
 1071. *Dysmerus basalis* Casey.  
 1072. *Brontes dubius* Fabricius.  
 1073.         *debilis* Le Conte.  
 1074. *Telephanus velox* Haldeman.

## CRYPTOPHAGID.E.

1075. *Telmatophilus americanus* Le Conte.  
 1076. *Loberus iupressus* Le Conte.  
 1077. *Tomarus pulchellus* Le Conte.  
 1078. *Autherophagus ochraceus* Melsheimer.  
 1079. *Henoticus serratus* Gyllenhal.  
 1080. *Cryptophagus<sup>1</sup> cellaris* Scopoli.  
 1081.         *dificilis* Le Conte.  
 1082.         *plectrum* Casey.

<sup>1</sup>And several unnamed species.

## LIST OF SPECIES—(Continued).

1083. *Cryptophagus crocus* Zimmermann.  
 1084. *fungicola* Zimmermann.  
 1085. *crinitus* Zimmermann.  
 1086. *nodangulus* Zimmermann.  
 1087. *Cninoscelis<sup>1</sup> ferruginea* Sahlberg(?).  
 1088. *testaceus* Zimmermann.  
 1089. *Atomaria<sup>1</sup> cephaliata* Zimmermann.  
 1090. *ochracea* Zimmermann.  
 1091. *distincta* Casey.  
 1092. *Ephistemus apicalis* Le Conte.

## MYCETOPIHAGID.E.

1093. *Mycetophagus punctatus* Say.  
 1094. *flexuosus* Say.  
 1095. *bipustulatus* Melsheimer.  
 1096. *melsheimeri* Le Conte.  
 1097. *pluripunctatus* Le Conte.  
 1098. *pini* Ziegler.  
 1099. *obsoletus* Melsheimer.  
 1100. *Litargus tetraspilotus* Le Conte.  
 1101. *6-punctatus* Say.  
 1102. *balteatus* Le Conte.  
 1103. *didesmus* Say.  
 1104. *nebulosus* Le Conte.  
 1105. *Typhaea fumata* Linnaeus.  
 1106. *Berginus punilus* Le Conte.  
 1107. *Myrmecixenus lathridioides* Crotch.  
 1108. *Diptocerus brunnens* Le Conte.  
 1109. *rufus* Le Conte.

## DERMESTID.E.

1110. *Byturus unicolor* Say.  
 1111. *Dermestes caninus* Germar.  
 1112. *lardarius* Linnaeus.  
 1113. *elongatus* Le Conte.  
 1114. *vulpinus* Fabricius.  
 1115. *frischii* Kugelann.  
 1116. *Attagenus pellio* Linneus.  
 1117. *hornii* Jayne.  
 1118. *piceus* Olivier.  
 1119. *Trogoderma ornatum* Say.  
 1120. *sternale* Jayne.  
 1121. *tarsale* Melsheimer.

1122. *Anthrenus scrophulariae* Linnaeus.  
 1123. *verbasci* Linnaeus.  
 1124. *museorum* Linnaeus.  
 1125. *Cryptorhopalum hwmorrhoidale* Le Conte.  
 1126. *triste* Le Conte.  
 1127. *Apsectus hispidus* Melsheimer.  
 1128. *Orphilus niger* Rossi.

## HISTERID.E.

1129. *Hololepta lucida* Le Conte.  
 1130. *fossularis* Say.  
 1131. *Hister biplagiatus* Le Conte.  
 1132. *lavipes* Germar.  
 1133. *harrisii* Kirby.  
 1134. *merdarius* Hoffmann.  
 1135. *interruptus* Beauvois.  
 1136. *immunis* Erichson.  
 1137. *marginicollis* Le Conte.  
 1138. *cognatus* Le Conte.  
 1139. *fiedatus* Le Conte.  
 1140. *abbreviatus* Fabricius.  
 1141. *civilis* Le Conte.  
 1142. *depurator* Say.  
 1143. *curtatus* Le Conte.  
 1144. *indistinctus* Say.  
 1145. *bimaculatus* Linnaeus.  
 1146. *16-striatus* Say.  
 1147. *americanus* Paykull.  
 1148. *Phelister anaeomicans* Horn.  
 1149. *subrotundus* Say.  
 1150. *vernus* Say.  
 1151. *Platysoma carolinum* Paykull.  
 1152. *lecontei* Marseul.  
 1153. *aurelianum* Horn.  
 1154. *parallelum* Say.  
 1155. *coaretatum* Le Conte.  
 1156. *Cylistix cylindricus* Paykull.  
 1157. *attenuatus* Le Conte.  
 1158. *Tribalister marginellus* Le Conte.  
 1159. *Tribalus americanus* Le Conte.  
 1160. *Epierus regularis* Beauvois.  
 1161. *pulicarius* Erichson.  
 1162. *Heterius brunnipennis* Randall.  
 1163. *Echinodes setiger* Le Conte.  
 1164. *Oonthophilus alternatus* Say.  
 1165. *Dendrophilus punctulatus* Say.  
 1166. *Paromatus aqualis* Say.  
 1167. *bistriatus* Erichson.  
 1168. *seminulum* Erichson.  
 1169. *teres* Le Conte.

<sup>1</sup>And several unnamed species.

## LIST OF SPECIES—Continued.

1170. *Carcinops conjunctus* Say.  
 1171.      *geminatus* Le Conte.  
 1172.      *14-striatus* Stephens.  
 1173. *Anapleus marginatus* Le Conte.  
 1174. *Suprinus rotundatus* Kugelann.  
 1175.      *penusylvanicus* Paykull.  
 1176.      *impressus* Le Conte.  
 1177.      *assimilis* Paykull.  
 1178.      *conformis* Le Conte.  
 1179.      *placidus* Erichson.  
 1180.      *fraternus* Say.  
 1181.      *fitchii* Marseul.  
 1182.      *patruelis* Le Conte.  
 1183.      *sphaeroides* Le Conte.  
 1184. *Plegaderus transversus* Say.  
 1185. *Terebrinus americanus* Le Conte.  
 1186. *Bucanius tantillus* Le Conte.  
 1187.      *punctiformis* Marseul.  
 1188. *Aceritus exiguus* Erichson.  
 1189.      *discus* Le Conte.  
 1190.      *fimetarius* Le Conte.  
 1191.      *strigosus* Le Conte.  
 1192.      *politus* Le Conte.  
 1193.      *simplex* Le Conte.

## NITIDULIDÆ.

1194. *Brachypterus artice* Fabricius.  
 1195. *Cercus abdominalis* Erichson.  
 1196.      *pennatus* Murray.  
 1197. *Carpophilus hemipterus* Linnaeus.  
 1198.      *dimidiatus* Fabricius.  
 1199.      *niger* Say.  
 1200.      *marginatus* Erichson.  
 1201.      *corticinus* Erichson.  
 1202.      *brachypterus* Say.  
 1203.      *antiquus* Melsheimer.  
 1204. *Colastus morio* Erichson.  
 1205.      *maculatus* Erichson.  
 1206.      *semitectus* Say.  
 1207.      *unicolor* Say.  
 1208.      *truncatus* Randall.  
 1209. *Conotelus obscurus* Erichson.  
 1210.      *mexicanus* Murray.  
 1211. *Epuraea helvola* Erichson.  
 1212.      *rufa* Say.  
 1213.      *erichsonii* Reitter.  
 1214.      *rufida* Melsheimer.  
 1215.      *corticina* Erichson.  
 1216.      *fulvescens* Horn.  
 1217.      *planata* Erichson.

1218. *Epuraea peltoides* Horn.  
 1219.      *labilis* Erichson.  
 1220.      *obtusicollis* Reitter.  
 1221. *Nitidula bipunctata* Linnaeus.  
 1222.      *rufipes* Linnaeus.  
 1223.      *zizac* Say.  
 1224. *Stolidota geminata* Say.  
 1225.      *8-maculata* Say.  
 1226.      *strigosa* Gyllenhal.  
 1227. *Prometopia 6-maculata* Say.  
 1228. *Phenolia grossa* Fabricius.  
 1229. *Omosita colon* Linnaeus.  
 1230. *Amphotis ulkei* Le Conte.  
 1231. *Soronia undulata* Say.  
 1232.      *substriata* Hamilton.  
 1233. *Thalyra concolor* Le Conte.  
 1234. *Pocadius helvolus* Erichson.  
 1235. *Oxyenemus histrinus* Le Conte.  
 1236.      *nigriventris* Le Conte.  
 1237. *Amphicrossus ciliatus* Olivier.  
 1238. *Pallodes pallidus* Beauvois.  
 1239. *Cychramus adustus* Erichson.  
 1240.      var. *bicolor* Horn.  
 1241. *Cybocephalus nigrutilus* Le Conte.  
 1242. *Cryptarcha ampla* Erichson.  
 1243.      *strigata* Fabricius.  
 1244.      *concinna* Melsheimer.  
 1245. *Ips obtusus* Say.  
 1246.      *quadriguttatus* Fabricius.  
 1247.      *confluentus* Say.  
 1248.      *sanguinalentus* Olivier.  
 1249. *Pityophagus cephalotes* Le Conte.  
 1250. *Rhizophagus cylindricus* Le Conte  
 1251.      *bipunctatus* Say.

## LATHRIDIDÆ.

1252. *Holoparamecus kuanzei* Aubé.  
 1253. *Lethidius liratus* Le Conte.  
 1254. *Conionomus constrictus* Gyllenhal.  
 1255.      *nodifer* Westwood.  
 1256. *Enicmus minutus* Linnaeus.  
 1257.      *aterrimus* Motschulsky.  
 1258. *Curtodere elegans* Aubé.  
 1259.      *filiformis* Gyllenhal.  
 1260. *Adistemis watsomi* Wollaston.  
 1261. *Corticaria pubescens* Gyllenhal.  
 1262.      *dentigeru* Le Conte.  
 1263.      *ferruginea* Gyllenhal.  
 1264.      *serrata* Paykull.  
 1265.      *elongata* Gyllenhal.

## LIST OF SPECIES—Continued.

1266. *Melanophthalma*<sup>1</sup> *longipennis* Le Conte.  
1267. *americana* Mannerheim.  
1268. *cavicollis* Mannerheim.  
1269. *gibbosa* Herbst.  
1270. *distinguenda* C. E. M. M. molli.  
1271. *picta* Le Conte.  
1272. *simplex* Le Conte.

TROGOSITID.E.

1273. *Nemosoma parallelum* Melsheimer.  
1274. *cylindricum* Le Conte.  
1275. *Alindria cylindrica* Serville.  
1276. *teres* Melsheimer.  
1277. *Trogosita virescens* Fabricius.  
1278. *Tenebrioides mauritanica* Linnaeus.  
1279. *corticalis* Melsheimer.  
1280. *nana* Melsheimer.  
1281. *marginata* Beauvois.  
1282. var. *cucujiformis* Horn.  
1283. *americana* Kirby.  
1284. var. *laticollis* Horn.  
1285. *rugosipennis* Horn.  
1286. *bimaculata* Melsheimer.  
1287. *obtusa* Horn.  
1288. *Grynocharis 4-lineata* Melsheimer.  
1289. *Lycoptus villosus* Casey.  
1290. *Thymalus fulgidus* Erichson.

MONOTOMID.E.

1291. *Monotoma picipes* Herbst.  
1292. *americana* Aubé.  
1293. *4-forolata* Aubé.  
1294. *parallela* Le Conte.  
1295. *longicollis* Gyllenhal.  
1296. *Hesperobacnus rufipes* Le Conte.  
1297. *Europs pallipennis* Le Conte.  
1298. *Bactridium ephippigerum* Guérin.  
1299. *striolatum* Reitter.  
1300. *cavicolle* Horn.

BYRRHID.E.

1301. *Nosodendron unicolor* Say.  
1302. *Byrrhus aurivittus* Fabricius.  
1303. *Syncalypta strigosa* Melsheimer.

1304. *Limniichus olivaceus* Le Conte.  
1305. *punctatus* Le Conte.  
1306. *nebulosus* Le Conte.  
1307. *ater* Le Conte.  
1308. *lutrochimus* Le Conte.  
1309. *oratus* Le Conte.

PARNID.E.

1310. *Psephenus lecontei* Le Conte.  
1311. *Lutrochus luteus* Le Conte.  
1312. *Dryops lithophilus* Germar.  
1313. *fastigiatus* Say.  
1314. *Elmis 4-notatus* Say.  
1315. *fastidius* Le Conte.  
1316. *oralis* Le Conte.  
1317. *nitidulus* Le Conte.  
1318. *latiusculus* Le Conte.  
1319. *pusillus* Le Conte.  
1320. *Stenelmis linearis* Zimmerman.  
1321. *sinuatus* Le Conte.  
1322. *crenatus* Say.  
1323. *quadrinotatus* Horn.  
1324. *Mucronychus glabratus* Say.  
1325. *Ancyronyx variegatus* Germar.

HETEROCERID.E.

1326. *Heterocerus ventralis* Melsheimer.  
1327. *brunnneus* Melsheimer.  
1328. *collaris* Kiesenwetter.  
1329. *pusillus* Say.

DASCYLLID.E.

1330. *Eurypong niger* Melsheimer.  
1331. *californicus* Horn.  
1332. *Odontonyx tricittis* Germar.  
1333. *Anchytaurus bicolor* Melsheimer.  
1334. *Ptilodactyla servicollis* Say.  
1335. *Euclinetus punctulatus* Le Conte.  
1336. *morio* Le Conte.  
1337. *strigosus* Le Conte.  
1338. *Ectopria nervosa* Melsheimer.  
1339. var. *thoracica* Ziegler.  
1340. *Prionocyphon discoidens* Say.  
1341. *limbatus* Le Conte.  
1342. *Helodes pulchella* Guérin.  
1343. *fuscipeplus* Guérin.  
1344. *thoracica* Guérin.  
1345. *Seyrtes tibialis* Guérin.  
1346. *Cyphon robustus* Le Conte.

<sup>1</sup>And some undetermined species.

## LIST OF SPECIES—Continued.

1347. *Cyphon obscurus* Guérin.  
 1348. *variabilis* Thunberg.  
 1349. *collaris* Guérin.  
 1350. *ruficollis* Say.

*RHYPICERID.E.*

1351. *Zenoc picea* Beauvois.  
 1352. *Sundalus niger* Knoch.  
 1353. *petrophya* Knoch.

*ELATERID.E.*

1354. *Melasis pectinicornis* Melsheimer.  
 1355. *Tharops ruficornis* Say.  
 1356. *Stethon pectorosus* Le Conte.  
 1357. *Deltomopterus americanus* Say.  
 1358. *rufipes* Melsheimer.  
 1359. *Dromiculus striatus* Le Conte.  
 1360. *cylindricollis* Say.  
 1361. *Fornax badius* Melsheimer.  
 1362. *caleatus* Say.  
 1363. *hornii* Bonvouloir.  
 1364. *Adelothyreus dejeanii* Bonvouloir.  
 1365. *Microrhagus humeralis* Say.  
 1366. *pectinatus* Le Conte.  
 1367. *bouyouloiri* Horn.  
 1368. *audax* Horn.  
 1369. *subsinguatus* Le Conte.  
 1370. *triangularis* Say.  
 1371. *Hypocerus frontosus* Say.  
 1372. *terminalis* Le Conte.  
 1373. *Nemotodes atropos* Say.  
 1374. *Adelocera impressicollis* Say.  
 1375. *marmorata* Fabricius.  
 1376. *discoidea* Weber.  
 1377. *maculata* Le Conte.  
 1378. *virita* Say.  
 1379. *Meristhus scobina* Candèze.  
 1380. *Chalcolepidius viridipilis* Le Conte.  
 1381. *Alaus oculatus* Linnaeus.  
 1382. *myops* Fabricius.  
 1383. *Hemirhipus fascicularis* Fabricius.  
 1384. *Cardiophorus convexus* Say.  
 1385. *cardicea* Say.  
 1386. *gagates* Erichson.  
 1387. *Horistonotus curiatus* Say.  
 1388. *Esthesopus claricollis* Say.  
 1389. *Cryptohypnus choris* Say.  
 1390. *melsheimeri* Horn.  
 1391. *pectoralis* Say.  
 1392. var. *inops* Say.  
 1393. *obliquatulus* Melsheimer.

1394. *Cryptohypnus perplexus* Horn.  
 1395. *Anchastus rufus* Candèze.  
 1396. *Monocrepidius lividus* De Geer.  
 1397. *suturalis* Le Conte.  
 1398. *vespertinus* Fabricius.  
 1399. *auritus* Herbst.  
 1400. *bellus* Say.  
 1401. *Dicrepidius ramicornis* Beauvois.  
 1402. *Ischiodontus soleatus* Say.  
 1403. *Elater hepaticus* Melsheimer.  
 1404. *manipularis* Candèze.  
 1405. *pedalis* Germar.  
 1406. *mixtus* Herbst.  
 1407. *nigrivallis* Herbst.  
 1408. *luteus* Say.  
 1409. *discoideus* Fabricius.  
 1410. *sayi* Le Conte.  
 1411. *impolitus* Melsheimer.  
 1412. *sovir* Le Conte.  
 1413. *rubricollis* Herbst.  
 1414. *semicinctus* Randall.  
 1415. *nigricans* Germar.  
 1416. *rubricus* Say.  
 1417. *collaris* Say.  
 1418. var. *palens* Le Conte.  
 1419. *sanguinipennis* Say.  
 1420. *xanthomus* Germar.  
 1421. *obliquus* Say.  
 1422. *pustio* Germar.  
 1423. *Drasterius elegans* Fabricius.  
 1424. *anabilis* Le Conte.  
 1425. *Megapenthes rufiflavus* Germar.  
 1426. *limbalis* Herbst.  
 1427. *Ludius attenuatus* Say.  
 1428. *abruptus* Say.  
 1429. *Agriotes aculus* Le Conte.  
 1430. *pubescens* Melsheimer.  
 1431. *insanus* Candèze.  
 1432. *oblongicollis* Melsheimer.  
 1433. *Dolopius lateralis* Eschscholtz.  
 1434. *Betarmon bigeminatus* Randall.  
 1435. *Glyphonyx recticollis* Say.  
 1436. *testaceus* Melsheimer.  
 1437. *Melanotus depressus* Melsheimer.  
 1438. *clandestinus* Erichson.  
 1439. *cavatipes* Paykull.  
 1440. *sagittarius* Le Conte.  
 1441. *fissilis* Say.  
 1442. *communis* Gyllenhal.  
 1443. *infuscatus* Le Conte.  
 1444. *tenax* Say.  
 1445. *americanus* Herbst.

## LIST OF SPECIES—Continued.

1446. *Melanotus pertinax* Say.  
 1447.      *insipiens* Say.  
 1448. *Limonius auripilis* Say.  
 1449.      *aurifer* Le Conte.  
 1450.      *stigma* Herbst.  
 1451.      *griseus* Beauvois.  
 1452.      *confusus* Le Conte.  
 1453.      *plebejus* Say.  
 1454.      *querceanus* Say.  
 1455.      *agonus* Say.  
 1456.      *ornatipennis* Le Conte.  
 1457.      *definitus* Ziegler.  
 1458.      *nimbatus* Say.  
 1459.      *basillaris* Say.  
 1460. *Athous brightwelli* Kirby.  
 1461.      *acanthus* Say.  
 1462.      *cucullatus* Say.  
 1463.      *scapularis* Say.  
 1464.      *posticus* Melsheimer.  
 1465. *Leptoschema bicolor* Le Conte.  
 1466. *Sericosomus viridianus* Say.  
 1467.      *silaceus* Say.  
 1468. *Corymbites tessellatus* Linnaeus.  
 1469.      *cylindriformis* Herbst.  
 1470.      *pyrrhos* Herbst.  
 1471.      *tarsalis* Melsheimer.  
 1472.      *athiops* Herbst.  
 1473.      *hamatus* Say.  
 1474.      *splendens* Ziegler.  
 1475.      *inflatus* Say.  
 1476.      *rotundicollis* Say.  
 1477. *Hemicrepidius menunonus* Herbst.  
 1478.      *bilobatus* Say.  
 1479.      *decoloratus* Say.  
 1480. *Melanactes piceus* De Geer.  
 1481.      *morio* Fabricius.  
 1482.      *reichei* Germar.  
 1483. *Perothops mucida* Gyllenhal.  
 1484. *Cerophytum pulsator* Haldeman.

**THROSCID.E**

1485. *Drapetes geminatus* Say.  
 1486. *Aulonothroscus constrictor* Say.  
 1487. *Throscus punctatus* Bonvouloir.  
 1488.      *chevrolatii* Bonvouloir.  
 1489.      *convergens* Horn.  
 1490.      *pugnax* Horn.

**BUPRESTID.E**

1491. *Chalephora virginianensis* Drury.  
 1492.      *campestris* Say.

1493. *Dicercia dicaricata* Say.  
 1494.      var. *candata* Le Conte.  
 1495.      *pugionata* Germar.  
 1496.      *obscura* Fabricius.  
 1497.      var. *lurida* Fabricius.  
 1498.      *lepidu* Le Conte.  
 1499.      *spreta* Gory.  
 1500.      *asperata* Laporte.  
 1501.      *punctulata* Schönherr.  
 1502. *Pachilonota debilis* Le Conte.  
 1503. *Buprestis rufipes* Olivier.  
 1504.      *lineata* Fabricius.  
 1505.      *striata* Fabricius.  
 1506.      *decora* Fabricius.  
 1507. *Cinara gracilipes* Melsheimer.  
 1508. *Melanophila notata* Laporte.  
 1509.      *acuminata* De Geer.  
 1510.      *anula* Melsheimer.  
 1511. *Autharia viridifrons* Laporte.  
 1512.      *viridicornis* Say.  
 1513.      *cyanella* Gory.  
 1514.      *quercata* Fabricius.  
 1515.      *flavimant* Gory.  
 1516. *Chrysobothris femorata* Fabricius.  
 1517.      *floricola* Gory.  
 1518.      *dentipes* Germar.  
 1519.      *blanchardi* Horn.  
 1520.      *pusilla* Laporte.  
 1521.      *6-signata* Say.  
 1522.      *azurea* Le Conte.  
 1523.      *scitula* Gory.  
 1524.      *harrisii* Hentz.  
 1525. *Actenodes acornis* Say.  
 1526. *Acmadera ornata* Fabricius.  
 1527.      *culta* Weber.  
 1528. *Ptosima gibbicollis* Say.  
 1529. *Mastogenius subcyanus* Le Conte.  
 1530. *Eupristocerus cogitans* Weber.  
 1531. *Agrilus ruficollis* Fabricius.  
 1532.      *otiosus* Say.  
 1533.      *arcuatus* Say.  
 1534.      *bilinatus* Weber.  
 1535.      *granulatus* Say.  
 1536.      *politus* Say.  
 1537.      *fallax* Say.  
 1538.      *obsoletoguttatus* Gory.  
 1539.      *subcinctus* Gory.  
 1540.      *lecontei* Saunders.  
 1541.      *egaeus* Gory.  
 1542. *Rhabdoscelis tenuis* Le Conte.  
 1543. *Taphrocerus gracilis* Say.  
 1544. *Brachys orata* Weber.

## LIST OF SPECIES—Continued.

1545.	<i>Brachys aëroso</i> Melsheimer.	1592.	<i>Telephorus fraxini</i> Say.
1546.	<i>aruginosa</i> Gory.	1593.	<i>carolinus</i> Fabricius.
1547.	<i>Pachyscelus purpureus</i> Say.	1594.	<i>lineola</i> Fabricius.
1548.	<i>lirrigatus</i> Say.	1595.	<i>costipennis</i> Le Conte.
		1596.	<i>rectus</i> Melsheimer.
		1597.	<i>scitulus</i> Say.
		1598.	<i>pusillus</i> Le Conte.
1549.	<i>Calopteron terminale</i> Say.	1599.	<i>longulus</i> Le Conte.
1550.	<i>reticulatum</i> Fabricius.	1600.	<i>rotundicollis</i> Say.
1551.	<i>Clethes basalis</i> Le Conte.	1601.	<i>tuberculatus</i> Le Conte.
1552.	<i>Carnia dimidiata</i> Fabricius.	1602.	<i>bilineatus</i> Say.
1553.	<i>Eros thoracicus</i> Randall.	1603.	<i>marginellus</i> Le Conte.
1554.	<i>aurora</i> Herbst.	1604.	<i>Polemius laticornis</i> Say.
1555.	<i>annulus</i> Say.	1605.	<i>Trypherus latipennis</i> Germar.
1556.	<i>sculptilis</i> Say.	1606.	<i>Malthinus occipitalis</i> Le Conte.
1557.	<i>trilineatus</i> Melsheimer.	1607.	<i>Malthodes spudo</i> Le Conte.
1558.	<i>Plateros timidus</i> Le Conte.	1608.	<i>concurvus</i> Le Conte.
1559.	<i>modestus</i> Say.	1609.	<i>rectus</i> Le Conte.
1560.	<i>canaliculatus</i> Say.	1610.	<i>areifer</i> Le Conte.
1561.	<i>lictor</i> Newman.	1611.	<i>captiosus</i> Le Conte.
1562.	<i>floralis</i> Melsheimer.	1612.	<i>parrulus</i> Le Conte.
1563.	<i>Culochronus perfectus</i> Say.		
1564.	<i>Lucidota atra</i> Fabricius.		
1565.	<i>punctata</i> Le Conte.		
1566.	<i>Ellychnia corrusca</i> Linnaeus.	1613.	<i>Collops tricolor</i> Say.
1567.	<i>Pyropygia nigricans</i> Say.	1614.	<i>eximius</i> Erichson.
1568.	<i>decipiens</i> Harris.	1615.	<i>nigriceps</i> Say.
1569.	<i>mimita</i> Le Conte.	1616.	<i>4-maculatus</i> Fabricius.
1570.	<i>Pyraustomena angulata</i> Say.	1617.	<i>vittatus</i> Say.
1571.	<i>lucifera</i> Melsheimer.	1618.	<i>Chatocelus setosus</i> Le Conte.
1572.	<i>Photinus consanguineus</i> Le Conte.	1619.	<i>Anthocomus florilabris</i> Say.
1573.	<i>pyralis</i> Linnaeus.	1620.	<i>Pseudebaeus apicalis</i> Say.
1574.	<i>scintillans</i> Say.	1621.	<i>oblitus</i> Le Conte.
1575.	<i>Photuris pensylvanica</i> De Geer.	1622.	<i>bicolor</i> Le Conte.
1576.	<i>Phengodes</i> <sup>1</sup>	1623.	<i>Attalus terminalis</i> Erichson.
1577.	<i>Tytthonyx erythrocephala</i> Fabricius.	1624.	<i>granularis</i> Erichson.
1578.	<i>Ometes marginatus</i> Le Conte.	1625.	<i>morulus</i> Le Conte.
1579.	<i>Chauliognathus pennsylvanicus</i> De Geer.	1626.	<i>pallifrons</i> Motschulsky.
1580.	<i>marginatus</i> Fabri- cius.	1627.	<i>melanopterus</i> Erichson.
1581.	<i>Podabrus tricostatus</i> Say.	1628.	<i>otiosus</i> Say.
1582.	<i>rugosulus</i> Le Conte.	1629.	<i>circumspectus</i> Say.
1583.	<i>frater</i> Le Conte.	1630.	<i>scincetus</i> Say.
1584.	<i>basilaris</i> Say.		
1585.	<i>tomentosus</i> Say.		
1586.	<i>brunnicollis</i> Le Conte.		
1587.	<i>Silis percomis</i> Say.		
1588.	<i>spathulata</i> Le Conte.		
1589.	<i>Ditenonus bidentatus</i> Say.	1631.	<i>Alymeris cibrata</i> Le Conte.
1590.	<i>Telephorus excavatus</i> Le Conte.		
1591.	<i>vilis</i> Le Conte.		

<sup>1</sup> Unknown species, female.

## LIST OF SPECIES—Continued.

1636. *Trichodes apicornis* Germar.  
 1637. *Clerus quadriguttatus* Olivier.  
 1638. var. *nigrifrons* Say.  
 1639. *rosmarus* Say.  
 1640. *ichneumoninus* Fabricius.  
 1641. *thoraciensis* Olivier.  
 1642. *Thanasimus dubius* Fabricius.  
 1643. *Thanerocerus sanguineus* Say.  
 1644. *tantillus* Le Conte.  
 1645. *Hydnocera unifasciata* Say.  
 1646. *humeralis* Say.  
 1647. *pallipennis* Say.  
 1648. *verticalis* Say.  
 1649. *tabida* Le Conte.  
 1650. *longicollis* Ziegler.  
 1651. *Phyllobaenus dislocatus* Say.  
 1652. *Ichnaea ticornis* Say.  
 1653. *Charissa pilosa* Say.  
 1654. var. *onusta* Say.  
 1655. *Cregya retusa* Spinola.  
 1656. *oculata* Say.  
 1657. *mixta* Le Conte.  
 1658. *Orthopleura denticornis* Fabricius.  
 1659. *texana* Bland.  
 1660. *Necrobia rufipes* Fabricius.  
 1661. *ruficollis* Fabricius.  
 1662. *violacea* Linnaeus.

## DERODONTID.E.

1663. *Derodontus maculatus* Melsheimer.  
 1664. *Laricobius erichsoni* Rosenhauer.

## PTINID.E.

1665. *Gibbium psylloides* Czenpinsk.  
 1666. *Ptinus fur* Linnaeus.  
 1667. *brunneus* Duftschmid.  
 1668. *quadrimaculatus* Melsheimer.  
 1669. *interruptus* Le Conte.  
 1670. *Eucrada humeralis* Melsheimer.  
 1671. *Ernobius mollis* Fabricius.  
 1672. *lateipennis* Le Conte.  
 1673. *flicornis* Le Conte.  
 1674. *granulatus* Le Conte.  
 1675. *Ozognathus floridanus* Le Conte.  
 1676. *Oligomerus sericans* Melsheimer.  
 1677. *alternatus* Le Conte.  
 1678. *obtusus* Le Conte.  
 1679. *Sitodrepa panicea* Linnaeus.  
 1680. *Hadrobregmus errans* Melsheimer.  
 1681. *carinatus* Say.  
 1682. *Trichodesma gibbosa* Say.  
 1683. *Anobium notatum* Say.

1684. *Trypopitys sericeus* Say.  
 1685. *Petalium bistriatum* Say.  
 1686. *Theca profunda* Le Conte.  
 1687. *Eupactus nitidus* Le Conte.  
 1688. *Xyletinus peltatus* Harris.  
 1689. *Lasioderma serricorne* Fabricius.  
 1690. *Hemiptychus punctatus* Le Conte.  
 1691. *gravis* Le Conte.  
 1692. *ventralis* Le Conte.  
 1693. *nigritulus* Le Conte.  
 1694. *Protheca hispida* Le Conte.  
 1695. *puberula* Le Conte.  
 1696. *Dorecatoma setulosum* Le Conte.  
 1697. *incomptum* Le Conte.  
 1698. *pallicorne* Le Conte.  
 1699. *Canocara oculata* Say.  
 1700. *intermedia* Le Conte.  
 1701. *Ptilinus rugicornis* Say.  
 1702. *Eudecastomus rugosus* Randall.

## BOSTRICHID.E.

1703. *Dinoderus minutus* Fabricius.  
 1704. *Rhizopertha dominica* Fabricius.  
 1705. *Stephanopachys cibratus* Le Conte.  
 1706. *densus* Le Conte.  
 1707. *rugosus* Olivier.  
 1708. *Prostephanus punctatus* Le Conte.  
 1709. *Lichenophanes truncaticollis* Le Conte.

1710. *armiger* Le Conte.  
 1711. *bicornis* Weber.  
 1712. *Schistocernus hamatus* Fabricius.  
 1713. *Micrapate dinoderoides* Horn.  
 1714. *eristicauda* Casey.  
 1715. *Xylobiops basilaris* Say.  
 1716. *texana* Horn.  
 1717. *Scobicia bidentata* Horn.

## LYCTID.E.

1718. *Lyctus striatus* Melsheimer.  
 1719. *opaculus* Le Conte.  
 1720. *planicollis* Le Conte.  
 1721. *Trogoxylon parallelipedum* Melsheimer.

## CUPESID.E.

1722. *Cupes concolor* Westwood.

## LYMEXYLID.E.

1723. *Lymexylon sericennum* Harris.  
 1724. *Micromalthus debilis* Le Conte.

## LIST OF SPECIES—Continued.

	<i>CISIDÆ.</i>	
1725.	<i>Cis fuscipes</i> Mellié.	1764. <i>Aphodius terminalis</i> Say.
1726.	<i>creberrimus</i> Mellié.	1765. <i>bicolor</i> Say.
1727.	<i>Brachycis brevicollis</i> Casey.	1766. <i>femoralis</i> Say.
1728.	<i>Orthocis punctatus</i> Mellié.	1767. <i>oblongus</i> Say.
1729.	<i>Eumecarthron thoracicum</i> Ziegler.	1768. <i>Dialytæ truncatus</i> Melsheimer.
1730.	<i>Ceracis sallei</i> Mellié.	1769. <i>striatulus</i> Say.
1731.	<i>Rhipidandrus paradoxus</i> Beauvois.	1770. <i>Ataxius cylindrus</i> Horn.
	<i>SPHINDIDÆ.</i>	1771. <i>abditus</i> Haldeman.
1732.	<i>Sphindus americanus</i> Le Conte.	1772. <i>lecontei</i> Harold.
	<i>LUCANIDÆ.</i>	1773. <i>texanus</i> Harold.
1733.	<i>Lucanus elaphus</i> Fabricius.	1774. <i>liviventris</i> Horn.
1734.	<i>dama</i> Thunberg.	1775. <i>imbricatus</i> Melsheimer.
1735.	<i>Dorcus parallelus</i> Say.	1776. <i>socialis</i> Horn.
1736.	<i>Platycerus quercus</i> Weber.	1777. <i>ovatulus</i> Horn.
1737.	<i>Ceruchus piceus</i> Weber.	1778. <i>gracilis</i> Melsheimer.
1738.	<i>Nicagus obscurus</i> Le Conte.	1779. <i>figurator</i> Harold.
	<i>PASSALIDÆ.</i>	1780. <i>strigatus</i> Say.
1739.	<i>Passalus cornutus</i> Fabricius.	1781. <i>coquatus</i> Le Conte.
	<i>SCARABÆIDÆ.</i>	1782. <i>Rhyssenus scaber</i> Haldeman.
1740.	<i>Canthon levis</i> Drury.	1783. <i>Pleurophorus casus</i> Panzer.
1741.	<i>vigilans</i> Le Conte.	1784. <i>entralis</i> Horn.
1742.	<i>viridis</i> Beauvois.	1785. <i>Psammodiæ wiggiooides</i> Haldeman.
1743.	<i>Charidium histeroides</i> Weber.	1786. <i>interruptus</i> Say.
1744.	<i>Copris carolina</i> Linnaeus.	1787. <i>Egialia</i> new species.
1745.	<i>anaglyptica</i> Say.	1788. <i>Ochodenus musculus</i> Say.
1746.	<i>minuta</i> Drury.	1789. <i>Bolbocerus farctus</i> Fabricius.
1747.	<i>Phanaeus carnifex</i> Linnaeus.	1790. <i>lazarus</i> Fabricius.
1748.	<i>Onthophagus hecate</i> Panzer.	1791. <i>Odontæus cornigerus</i> Melsheimer.
1749.	<i>janus</i> Panzer.	1792. <i>Geotrupes splendidus</i> Fabricius.
1750.	var. <i>orpheus</i> Panzer	1793. <i>balyi</i> Jekel.
1751.	var. <i>striatulus</i> Beau-	1794. <i>semiparus</i> Jekel.
	vois.	1795. <i>blackburnii</i> Fabricius.
1752.	<i>tuberculifrons</i> Harold.	1796. <i>egeriæ</i> Germar.
1753.	<i>puensylvanicus</i> Harold.	1797. <i>hornii</i> Blanchard.
1754.	<i>Aphodius sinuarius</i> Linnaeus.	1798. <i>Clavotus aphodiooides</i> Illiger.
1755.	<i>ruricola</i> Melsheimer.	1799. <i>Trox monachus</i> Herbst.
1756.	<i>granarius</i> Linnaeus.	1800. <i>asper</i> Le Conte.
1757.	<i>vittatus</i> Say.	1801. <i>suberosus</i> Fabricius.
1758.	<i>lieidus</i> Olivier.	1802. <i>tuberculatus</i> De Geer.
1759.	<i>serral</i> Say.	1803. <i>erinaceus</i> Le Conte.
1760.	<i>inquinatus</i> Herbst.	1804. <i>capillaris</i> Say.
1761.	<i>leopardus</i> Horn.	1805. <i>foreicollis</i> Harold.
1762.	<i>rubeolus</i> Beauvois.	1806. <i>terrestris</i> Say.
1763.	<i>stereorosus</i> Melsheimer.	1807. <i>scaber</i> Linnaeus.
		1808. <i>Hoplia trivialis</i> Harold.
		1809. <i>mucorea</i> Germar.
		1810. <i>modesta</i> Haldeman.
		1811. <i>Dichelonychia elongata</i> Fabricius.
		1812. <i>fuscula</i> Le Conte.
		1813. <i>Serica respertina</i> Gyllenhal.
		1814. <i>iricolor</i> Say.
		1815. <i>sericea</i> Illiger.

## LIST OF SPECIES—Continued.

1816. *Serica trociformis* Burmeister.  
 1817. *Macrodactylus subspinosus* Fabricius.  
 1818.      *angustatus* Beauvois.  
 1819. *Diplotaxis sordida* Say.  
 1820.      *liberta* Germar.  
 1821.      *tristis* Kirby.  
 1822.      *harperi* Blanchard.  
 1823. *Lachnostenra prununculina* Burmeister.  
 1824.      *epilida* Say.  
 1825.      *glaberrima* Blanchard.  
 1826.      *gracilis* Burmeister.  
 1827.      *gibbosa* Burmeister.  
 1828.      *congrua* Le Conte.  
 1829.      *inversa* Horn.  
 1830.      *micans* Knoch.  
 1831.      *fusca* Fröhlich.  
 1832.      *arcuata* Smith.  
 1833.      *grandis* Smith.  
 1834.      *dubia* Smith.  
 1835.      *hornii* Smith.  
 1836.      *marginalis* Le Conte.  
 1837.      *fraterna* Harris.  
 1838.      *nora* Smith.  
 1839.      *luctuosa* Horn.  
 1840.      *knochii* Gyllenhal.  
 1841.      *profunda* Blanchard.  
 1842.      *balia* Say.  
 1843.      *hirsuta* Knoch.  
 1844.      *ilicis* Knoch.  
 1845.      *hirticula* Knoch.  
 1846.      *parridens* Le Conte.  
 1847.      *quercus* Knoch.  
 1848.      *tristis* Fabricius.  
 1849. *Anomala marginata* Fabricius.  
 1850.      *binotata* Gyllenhal.  
 1851.      *undulata* Melsheimer.  
 1852.      *minuta* Burmeister.  
 1853.      *lucicola* Fabricius.  
 1854. *Strigoderma arboricola* Fabricius.  
 1855.      *pygmaea* Fabricius.  
 1856. *Pelidnota punctata* Linneus.  
 1857. *Cotalpa lanigera* Linnaeus.  
 1858. *Cyclocephala immaculata* Burmeister.  
 1859.      *villosa* Burmeister.  
 1860. *Chalepus trachypygus* Burmeister.  
 1861. *Ligyrus gibbosus* De Geer.  
 1862.      *relictus* Say.  
 1863. *Aphonus tridentatus* Say.  
 1864.      *castaneus* Melsheimer.  
 1865. *Xyloryctes satyrus* Fabricius.  
 1866. *Strategus antreus* Fabricius.  
 1867. *Dynastes titus* Linnaeus.  
 1868. *Phileurus valgus* Fabricius.  
 1869. *Allorhina nitida* Linnaeus.  
 1870. *Euphoria areata* Fabricius.  
 1871.      *sepulchralis* Fabricius.  
 1872.      *fulgida* Fabricius.  
 1873.      *herbacea* Olivier.  
 1874.      *indu* Linnaeus.  
 1875. *Cremastochilus leucostictus* Burmeister.  
 1876.      *variolosus* Kirby.  
 1877.      *canaliculatus* Kirby.  
 1878.      *castaneus* Knoch.  
 1879.      *harrisii* Kirby.  
 1880. *Osmodesma crenicola* Knoch.  
 1881.      *scabrum* Beauvois.  
 1882. *Gnorimus maculosus* Knoch.  
 1883. *Trichius piger* Fabricius.  
 1884.      *afinis* Gory.  
 1885.      *bibens* Fabricius.  
 1886.      *viridulus* Fabricius.  
 1887. *Vulgus canaliculatus* Fabricius.  
 1888.      *squamiger* Beauvois.

## SPONDYLID.E.

1889. *Parandra brunnea* Fabricius.

## CERAMBYCID.E.

1890. *Orthosoma brunneum* Forster.  
 1891. *Prionus laticollis* Drury.  
 1892.      *pocularis* Dalman.  
 1893.      *imbricornis* Linnaeus.  
 1894. *Sphenostethus tusei* Buquet.  
 1895. *Asemum mastum* Haldeman.  
 1896. *Criocephalus obsoletus* Randall.  
 1897.      *agrestis* Kirby.  
 1898. *Smodicum eueniforme* Say.  
 1899. *Hylotrupes bajulus* Linneus.  
 1900.      *lignaeus* Fabricius.  
 1901. *Phymatodes variabilis* Fabricius.  
 1902.      *infuscatus* Le Conte.  
 1903.      *varius* Fabricius.  
 1904.      *amoenus* Say.  
 1905. *Callidium antennatum* Newman.  
 1906.      *janthinatum* Le Conte.  
 1907.      *aeruum* Newman.  
 1908. *Qeme rigida* Say.  
 1909. *Gracilia minuta* Fabricius.  
 1910. *Chion cinctus* Drury.  
 1911. *Eburia quadrigeminata* Say.

## LIST OF SPECIES—Continued.

1912. *Romaleum atomarium* Drury.  
 1913.         *rufulum* Haldeman.  
 1914. *Elaphidion mucronatum* Fabricius.  
 1915.         *incertum* Newman.  
 1916.         *villosum* Fabricius.  
 1917.         *pumilum* Newman.  
 1918.         *subpubescens* Le Conte.  
 1919.         *unicolor* Randall.  
 1920.         *cinerascens* Le Conte.  
 1921. *Tylonotus binaculatus* Haldeman.  
 1922. *Heterachthes quadrimaculatus* Newman.  
        man.  
 1923.         *ebenus* Newman.  
 1924. *Curius dentatus* Newman.  
 1925. *Phyton pallidum* Say.  
 1926. *Obrim rubrum* Newman.  
 1927. *Callimorxs sanguinicolis* Olivier.  
 1928. *Molorechus binaculatus* Say.  
 1929. *Rhopalophorus longipes* Say.  
 1930. *Tragidion cognus* Linnaeus.  
 1931.         var. *fulvipenne* Say.  
 1932. *Purpuricenus humeralis* Fabricius.  
 1933.         var. *axillaris* Haldeman.  
        man.  
 1934. *Butyle suturalis* Say.  
 1935. *Stenosphenus notatus* Olivier.  
 1936. *Cylleus pictus* Drury.  
 1937.         *robinia* Forster.  
 1938. *Calloides nobilis* Say.  
 1939. *Arhopalus fulminans* Fabricius.  
 1940. *Clytus marginicollis* Laporte.  
 1941. *Xylotrechus colonus* Fabricius.  
 1942.         *sagittatus* Germar.  
 1943.         *quadrimaculatus* Haldeman.  
        man.  
 1944. *Neoclytus scutellaris* Olivier.  
 1945.         *fuscus* Fabricius.  
 1946.         *capraea* Say.  
 1947.         *erythrocephalus* Fabricius.  
 1948.         *longipes* Kirby.  
 1949. *Clytanthus rericola* Olivier.  
 1950.         *albofasciatus* Laporte.  
 1951. *Microclytus gazella* Haldeman.  
 1952. *Cyrtophorus verrucosus* Olivier.  
 1953. *Tillomorpha geminata* Haldeman.  
 1954. *Euderees picipes* Fabricius.  
 1955.         *pini* Olivier.  
 1956. *Atimia confusa* Say.  
 1957. *Distenia undata* Olivier.  
 1958. *Desmocerus palliatus* Forster.  
 1959. *Necydalis mellitus* Say.  
 1960. *Encyclops caeruleus* Say.

1961. *Rhagium lineatum* Olivier.  
 1962. *Centrodera decolorata* Harris.  
 1963.         *picta* Haldeman.  
 1964. *Toxotus trivittatus* Say.  
 1965. *Acmlops discoidea* Haldeman.  
 1966.         *directa* Newman.  
 1967. *Gaurotes cyanipennis* Say.  
 1968. *Strangalia fumelica* Newman.  
 1969.         *acuminata* Olivier.  
 1970.         *luteicornis* Fabricius.  
 1971.         *bicolor* Swederus.  
 1972. *Typocerus zebrotus* Fabricius.  
 1973.         *lunatus* Fabricius.  
 1974.         *velutinus* Olivier.  
 1975.         *lugubris* Say.  
 1976.         *sinuatus* Newman.  
 1977. *Leptura emarginata* Fabricius.  
 1978.         *subhumata* Randall.  
 1979.         *lineola* Say.  
 1980.         *haemutites* Newman.  
 1981.         *subargentata* Kirby.  
 1982.         *nitens* Forster.  
 1983.         *cordifera* Olivier.  
 1984.         *rubrica* Jay.  
 1985.         *circumdata* Olivier.  
 1986.         *vagans* Olivier.  
 1987.         *proxima* Say.  
 1988.         *vittata* Germar.  
 1989.         *pubera* Say.  
 1990.         *mutabilis* Newman.  
 1991. *Euryptera lateralis* Olivier.  
 1992. *Cyrtinus pygmaeus* Haldeman.  
 1993. *Psenocerus supernotatus* Say.  
 1994. *Monohammus titillator* Fabricius.  
 1995.         *confusor* Kirby.  
 1996.         *scutellatus* Say.  
 1997. *Dorceaschema wildii* Uhler.  
 1998.         *alternatum* Say.  
 1999.         *nigrum* Say.  
 2000. *Hetermis cinerea* Olivier.  
 2001. *Caeoplia pullata* Haldeman.  
 2002. *Goës tigrina* De Geer.  
 2003.         *pulchra* Haldeman.  
 2004.         *debilis* Le Conte.  
 2005.         *tessellata* Haldeman.  
 2006.         *pulverulenta* Haldeman.  
 2007.         *oculata* Le Conte.  
 2008. *Plectrodera scalaris* Fabricius.  
 2009. *Acanthoderes quadrigibbus* Say.  
 2010.         *decipiens* Haldeman.  
 2011.         *morrisoni* Uhler.  
 2012. *Leptostylus aculiferus* Say.

## LIST OF SPECIES—Continued.

2013.	<i>Leptostylus parvus</i> Le Conte.	CHRYSOMELID.E.
2014.	<i>biustus</i> Le Conte.	
2015.	<i>commixtus</i> Haldeman.	2064. <i>Donacia cincticornis</i> Newman.
2016.	<i>collaris</i> Haldeman.	2065. <i>palmata</i> Olivier.
2017.	<i>maeula</i> Say.	2066. <i>hypoleuca</i> Lacordaire.
2018.	<i>Liopus variegatus</i> Haldeman.	2067. <i>piscatrix</i> Lacordaire.
2019.	<i>crassulus</i> Le Conte.	2068. <i>subtilis</i> Kunze.
2020.	<i>fascicularis</i> Harris.	2069. <i>porosicollis</i> Lacordaire.
2021.	<i>alpha</i> Say.	2070. <i>aqualis</i> Say.
2022.	var. <i>cinereus</i> Le Conte.	2071. <i>tuberculata</i> Lacordaire.
2023.	<i>punctatus</i> Le Conte.	2072. <i>distincta</i> Le Conte.
2024.	<i>Dectes spinosus</i> Say.	2073. <i>pusilla</i> Say.
2025.	<i>Lepturges symmetricus</i> Haldeman.	2074. <i>metallica</i> Ahrens.
2026.	<i>queerus</i> Fitch.	2075. <i>flavipes</i> Kirby.
2027.	<i>signatus</i> Le Conte.	2076. <i>Hxmonia nigricornis</i> Kirby.
2028.	<i>fucetus</i> Say.	2077. <i>Orsodacne atra</i> Ahrens.
2029.	<i>Hyperplatys aspersus</i> Say.	2078. <i>Zenophora puberula</i> Crotch.
2030.	<i>Urographis fasciata</i> De Geer.	2079. <i>Syneta ferruginea</i> Germar.
2031.	<i>Ceratographis pusilla</i> Kirby.	2080. <i>Lema brunnicollis</i> Lacordaire.
2032.	<i>Acanthocinus obsoletus</i> Olivier.	2081. <i>sayi</i> Crotch.
2033.	<i>nodosus</i> Fabricius.	2082. <i>6-punctata</i> Olivier.
2034.	<i>Pogonocherus mixtus</i> Haldeman.	2083. var. <i>ephippiata</i> Lacordaire.
2035.	<i>Ecyrus dasycerus</i> Say.	2084. <i>3-lineata</i> Olivier.
2036.	<i>Eupogonius tomentosus</i> Haldeman.	2085. <i>Orioceris asparagi</i> Linnaeus.
2037.	<i>restitus</i> Say.	2086. <i>12-punctata</i> Linnaeus.
2038.	<i>pubescens</i> Le Conte.	2087. <i>Anomala laticollaria</i> Forster.
2039.	<i>subarmatus</i> Le Conte.	2088. <i>Cosecinoptera dominicana</i> Fabricius.
2040.	<i>Oncideres cingulata</i> Say.	2089. <i>Babia 4-guttata</i> Olivier.
2041.	<i>Ataxia crypta</i> Say.	2090. <i>Saxinis omogera</i> Lacordaire.
2042.	<i>Hippopsis lemniscata</i> Fabricius.	2091. <i>Chlamys plicata</i> Fabricius.
2043.	<i>Superda obliqua</i> Say.	2092. var. <i>assimilis</i> Klug.
2044.	<i>candida</i> Fabricius.	2093. <i>Exema gibber</i> Olivier.
2045.	<i>discoidea</i> Fabricius.	2094. <i>conspersa</i> Mannerheim.
2046.	<i>lateralis</i> Fabricius.	2095. <i>Bassareus congestus</i> Fabricius.
2047.	<i>tridentata</i> Olivier.	2096. <i>formosus</i> Melsheimer.
2048.	<i>restita</i> Say.	2097. var. <i>sulphuripennis</i> Melsheimer.
2049.	<i>puncticollis</i> Say.	2098. <i>detritus</i> Olivier.
2050.	<i>Oberea bimaculata</i> Olivier.	2099. <i>mammifer</i> Newman.
2051.	<i>tripunctata</i> Swederus.	2100. var. <i>latepennis</i> Melsheimer.
2052.	<i>flavipes</i> Haldeman.	2101. <i>lituratus</i> Fabricius.
2053.	<i>ocellata</i> Haldeman.	2102. var. <i>lativittis</i> Germar.
2054.	<i>gracilis</i> Fabricius.	2103. <i>Cryptocephalus quadrimaculatus</i> Say.
2055.	<i>ruficollis</i> Fabricius.	2104. <i>binominis</i> Newman.
2056.	<i>Tetrops monostigma</i> Haldeman.	2105. <i>quadrinplex</i> Newman.
2057.	<i>jucunda</i> Le Conte.	2106. <i>guttulatus</i> Olivier.
2058.	<i>Tetraopes tetraophthalmus</i> Forster.	2107. <i>lenocomelas</i> Suffrian.
2059.	<i>canteriutor</i> Drapiez.	2108. <i>renustus</i> Fabricius.
2060.	<i>5-maculatus</i> Haldeman.	2109. var. <i>ornatus</i> Fabricius.
2061.	<i>Amphionyche flaminata</i> Newman.	cius.
2062.	<i>Dysphaga tenuipes</i> Haldeman.	
2063.	<i>levis</i> Le Conte.	

## LIST OF SPECIES—Continued.

2110. *Cryptocephalus* var. *hamatus* Melsheimer.  
 2111. var. *simplex* Halde man.  
 2112. *insertus* Haldeman.  
 2113. *calidus* Suffrian.  
 2114. *albicans* Haldeman.  
 2115. *gibbicollis* Halde man.  
 2116. *trivittatus* Olivier.  
 2117. *mutabilis* Melsheimer.  
 2118. var. *dispersus* Haldeman.  
 2119. *badius* Suffrian.  
 2120. *schreibersii* Suffrian.  
 2121. *striatulus* Le Conte.  
 2122. *Griburius equestris* Olivier.  
 2123. *Pachybrachys<sup>1</sup> othonus* Say.  
 2124. *trinotatus* Melsheimer.  
 2125. *intricatus* Suffrian.  
 2126. *tridens* Melsheimer.  
 2127. *carbonarius* Le Conte.  
 2128. *luridus* Fabricius.  
 2129. *atomarius* Melsheimer.  
 2130. *inaustus* Haldeman.  
 2131. *hepaticus* Melsheimer.  
 2132. *subfuscatus* Halde man.  
 2133. *dilatatus* Suffrain.  
 2134. *Monachus ater* Haldeman.  
 2135. *saponatus* Fabricius.  
 2136. *Diachus auratus* Fabricius.  
 2137. *levis* Haldeman.  
 2138. *catarinus* Suffrian.  
 2139. *pallidicornis* Suffrian.  
 2140. *Triachus atomus* Suffrian.  
 2141. *vacuus* Le Conte.  
 2142. *Fidia viticida* Walsh.  
 2143. *longipes* Melsheimer.  
 2144. *Xanthonia 10-notata* Say.  
 2145. *villosula* Melsheimer.  
 2146. *Myochrous denticollis* Say.  
 2147. *Glyptoscelis pulescens* Fabricius.  
 2148. *barbata* Say.  
 2149. *Graphops pubescens* Melsheimer.  
 2150. *marcassita* Crotch.

2151. *Graphops curtipennis* Melsheimer.  
 2152. *Typophorus viridicyaneus* Crotch.  
 2153. *canellus* Fabricius.  
 2154. var. *6-notata* Say.  
 2155. var. *4-notata* Say.  
 2156. var. *aterrima* Olivier.  
 2157. var. *thoracica* Melsheimer.  
 2158. *Metachromia querulum* Fabricius.  
 2159. *pallidum* Say.  
 2160. *laterale* Crotch.  
 2161. *lvricolle* Crotch.  
 2162. *Chrysochus auratus* Fabricius.  
 2163. *Tynnes tricolor* Fabricius.  
 2164. *Colaspis brunnea* Fabricius.  
 2165. *favosa* Say.  
 2166. *Rhabdopterus picipes* Olivier.  
 2167. *Nodonota puncticollis* Say.  
 2168. *tristis* Olivier.  
 2169. *Prasocnris rufipes* Le Conte.  
 2170. *Labidomera clivicollis* Kirby.  
 2171. *Leptinotarsa decemlineata* Say.  
 2172. *juncta* Germar.  
 2173. *Zygogramma suturalis* Fabricius.  
 2174. *Calligrapha similis* Rogers.  
 2175. *elegans* Olivier.  
 2176. *scalaris* Le Conte.  
 2177. *philadelphica* Linnaeus.  
 2178. var. *spirea* Say.  
 2179. *bigsyana* Kirby.  
 2180. *Plagioderma viridis* Melsheimer.  
 2181. *veruginosa* Suffrian.  
 2182. *Gastroidea cyanea* Melsheimer.  
 2183. *Lina laponica* Linnaeus.  
 2184. *scripta* Fabricius.  
 2185. *Monocesta coryli* Say.  
 2186. *Trirhabda tomentosa* Linnaeus.  
 2187. *virgata* Le Conte.  
 2188. *Galerucella americana* Fabricius  
 2189. *6-vittata* Le Conte.  
 2190. *rufosanguinea* Say.  
 2191. *integra* Le Conte.  
 2192. *notulata* Fabricius.  
 2193. *notata* Fabricius.  
 2194. *nymphaea* Linnaeus.  
 2195. *tuberulata* Say.  
 2196. *decora* Say.  
 2197. *xanthomelana* Schrank.  
 2198. *Diabrotica 12-punctata* Fabricius.  
 2199. *atripennis* Say.  
 2200. *vittata* Fabricius.

<sup>1</sup> Also some unrecognized forms.

## LIST OF SPECIES—Continued.

2201. *Phyllobrotica discoidea* Fabricius.  
 2202.         *limbata* Fabricius.  
 2203. *Luperodes cyanellus* Le Conte.  
 2204.         *meraca* Say.  
 2205. *Phyllechthrus dorsalis* Olivier.  
 2206.         *gentilis* Le Conte.  
 2207. *Cerotoma trifurcata* Forster.  
 2208. *Blepharida rhois* Forster.  
 2209. *Pachyonychus paradoxus* Melsheimer.  
 2210. *Hypolampsis pilosa* Illiger.  
 2211. *Edionychis gibbitarsis* Say.  
 2212.         *thoracica* Fabricius.  
 2213.         *vians* Illiger.  
 2214.         *fimbriata* Forster.  
 2215.         *petaurista* Fabricius.  
 2216.         *miniata* Fabricius.  
 2217.         *indigoptera* Le Conte.  
 2218.         *limbalis* Melsheimer.  
 2219.         *6-maculata* Illiger.  
 2220.         *quercata* Fabricius.  
 2221. *Disongya pensylvanica* Illiger.  
 2222.         *5-vittata* Say.  
 2223.         *crenicollis* Say.  
 2224.         *caroliniana* Fabricius.  
 2225.         *glabrata* Fabricius.  
 2226.         *abbreriata* Melsheimer.  
 2227.         *xanthomelana* Dalman.  
 2228.         *collata* Fabricius.  
 2229. *Sphaeroderma opina* Le Conte.  
 2230. *Halticus chalybea* Illiger.  
 2231.         *ignita* Illiger.  
 2232.         *amana* Horn.  
 2233.         *fuscoarea* Melsheimer.  
 2234.         *marevagans* Horn.  
 2235.         *rufa* Haldeman.  
 2236. *Laetica iris* Olivier.  
 2237.         *tibialis* Olivier.  
 2238. *Diphaulaca bicolorata* Horn.  
 2239. *Orthaltica copalina* Fabricius.  
 2240. *Crepidodera rufipes* Linnaeus.  
 2241.         *helxines* Linnaeus.  
 2242.         *atrirentrata* Melsheimer.  
 2243. *Epitrix cucumeris* Harris.  
 2244.         *fuscula* Crotch.  
 2245.         *parvula* Fabricius.  
 2246. *Luperaltilia fuscula* Le Conte.  
 2247. *Mandura floridana* Crotch.  
 2248. *Chatocnema subcylindrica* Le Conte.  
 2249.         *protensa* Le Conte.  
 2250.         *denticulata* Illiger.  
 2251.         *parcepunctata* Crotch.  
 2252. *Chatocnema pulicaria* Melsheimer.  
 2253.         *crenulata* Crotch.  
 2254.         *confinis* Crotch.  
 2255.         *minuta* Melsheimer.  
 2256. *Systema hudsonias* Forster.  
 2257.         *frontalis* Fabricius.  
 2258.         *elongata* Fabricius.  
 2259.         *tenuata* Say.  
 2260.         *marginalis* Illiger.  
 2261. *Glyptina spuria* Le Conte.  
 2262.         *brunnea* Horn.  
 2263. *Aphthona insolita* Melsheimer.  
 2264. *Phyllotreta sinuata* Stephens.  
 2265.         *vittata* Fabricius.  
 2266.         *bipustulata* Fabricius.  
 2267.         *picta* Say.  
 2268. *Longitarsus melanurus* Melsheimer.  
 2269.         *testaceus* Melsheimer.  
 2270.         *subrufus* Le Conte.  
 2271.         *turbatus* Horn.  
 2272.         *pygmaeus* Horn.  
 2273. *Dibolia borealis* Chevrolat.  
 2274. *Psylliodes courioxia* Le Conte.  
 2275. *Microrhopala vittata* Fabricius.  
 2276.         *xerene* Newman.  
 2277.         *excavata* Olivier.  
 2278.         *cyanea* Say.  
 2279.         *porcata* Melsheimer.  
 2280.         *melsheimeri* Crotch.  
 2281. *Odontota scapularis* Olivier.  
 2282.         *bicolor* Olivier.  
 2283.         *horni* Smith.  
 2284.         *dorsalis* Thunberg.  
 2285.         *rubra* Weber.  
 2286.         *nervosa* Panzer.  
 2287. *Charistena ariadne* Newman.  
 2288. *Octotoma plicatula* Olivier.  
 2289. *Stenisa metallica* Fabricius.  
 2290. *Cassida nigripes* Olivier.  
 2291.         *bivittata* Say.  
 2292. *Coptocycla clarata* Fabricius.  
 2293.         *signifera* Herbst.  
 2294.         *purpurata* Boheman.  
 2295.         *bicolor* Fabricius.  
 2296. *Chelymorpha argus* Liechtenstein.

## BRUCHID.E.

2297. *Spermophagus robiniae* Schönherr.  
 2298. *Bruchus pisorum* Linnaeus.  
 2299.         *minus* Say.  
 2300.         *chinensis* Linnaeus.  
 2301.         *4-maculatus* Fabricius.

## LIST OF SPECIES—Continued.

2302. *Bruchus discoideus* Say.  
 2303. *bivulneratus* Horn.  
 2304. *eruentatus* Horn.  
 2305. *nigrinus* Horn.  
 2306. *alboscentellatus* Horn.  
 2307. *perforatus* Horn.  
 2308. *distinguendus* Horn.  
 2309. *fraterculus* Horn.  
 2310. *obsoletus* Say.  
 2311. *obtectus* Say.  
 2312. *hibisci* Olivier.  
 2313. *longistylus* Horn.  
 2314. *musculus* Say.  
 2315. *exiguus* Horn.  
 2316. *seminalum* Horn.  
 2317. *macrocerus* Horn.  
 2318. *Zabrotes oblitteratus* Horn.  
 2319. *subnitens* Horn.

TENEBRIONIDÆ.

2320. *Epitragus arundinis* Le Conte.  
 2321. *Phelopsis obcordata* Kirby.  
 2322. *Blaps similis* Latreille.  
 2323. *Polypleurus genuinatus* Solier.  
 2324. *Alobates pennsylvanicus* De Geer.  
 2325. *Merinus lavis* Olivier.  
 2326. *Haplundrus femoratus* Fabricius.  
 2327. *ater* Le Conte.  
 2328. *Scotobates calcarius* Fabricius.  
 2329. *Xylopinus rufipes* Say.  
 2330. *superdioides* Olivier.  
 2331. *anescens* Le Conte.  
 2332. *Tenebrio obscurus* Fabricius.  
 2333. *molitor* Linnaeus.  
 2334. *castaneus* Knoch.  
 2335. *tenebrioides* Beauvois.  
 2336. *Opatrinus notus* Say.  
 2337. *Blapstinus mastus* Melsheimer.  
 2338. *interruptus* Say.  
 2339. *metallicus* Fabricius.  
 2340. *Tribolium ferrugineum* Fabricius.  
 2341. *confusum* Duval.  
 2342. *Lyphia fuscicola* Mulsant.  
 2343. *Diardus punctatus* Le Conte.  
 2344. *Echocerus maxillosus* Fabricius.  
 2345. *dentiger* Chittenden.  
 2346. *Alphitobius diaperinus* Panzer.  
 2347. *Ulonia impressa* Melsheimer.  
 2348. *inuberbis* Le Conte.  
 2349. *punctulata* Le Conte.  
 2350. *Eutochia picea* Melsheimer.  
 2351. *Anadus brunneus* Ziegler.

2352. *Paratenetus punctatus* Solier.  
 2353. *fusca* Le Conte.  
 2354. *gibbipennis* Motschulsky.  
 2355. *Pratæus fusculus* Le Conte.  
 2356. *Diaperis hydni* Fabricius.  
 2357. *Arrhenoplita bicornis* Olivier.  
 2358. *viridipennis* Fabricius.  
 2359. *Platydemæ excavatum* Say.  
 2360. *erythrocerum* Laporte.  
 2361. *ruficollis* Laporte.  
 2362. *ruficorne* Sturm.  
 2363. *flavipes* Fabricius.  
 2364. *ellipticum* Fabricius.  
 2365. *micans* Horn.  
 2366. *crenatum* Le Conte.  
 2367. *picilabrum* Melsheimer.  
 2368. *subcostatum* Laporte.  
 2369. *Phylethus bifasciatus* Say.  
 2370. *Palorus ratzeburgi* Wissmann.  
 2371. *subdepressus* Wollaston.  
 2372. *Hypophaeus parallelus* Melsheimer.  
 2373. *cacus* Le Conte.  
 2374. *thoracicus* Melsheimer.  
 2375. *piliger* Le Conte.  
 2376. *Pentaphyllus pallidus* Le Conte.  
 2377. *Boletotherus bifurcus* Fabricius.  
 2378. *Boletophagus corticola* Say.  
 2379. *Helops micans* Fabricius.  
 2380. *americanus* Beauvois.  
 2381. *venustus* Say.  
 2382. *areus* Germar.  
 2383. *Meracantha contracta* Beauvois.  
 2384. *Strongylium tenuicolle* Say.  
 2385. *terminatum* Say.

CISTELIDÆ.

2386. *Allecula punctulata* Melsheimer.  
 2387. *atra* Say.  
 2388. *Hymenorius niger* Melsheimer.  
 2389. *pilosus* Melsheimer.  
 2390. *obscurus* Say.  
 2391. *communis* Le Conte.  
 2392. *rufipes* Le Conte.  
 2393. *Cistela brevis* Say.  
 2394. *marginata* Ziegler.  
 2395. *Isonira validia* Schwarz.  
 2396. *sericea* Say.  
 2397. *quadristriata* Couper.  
 2398. *Myctochares haldemanii* Le Conte.  
 2399. *fraterna* Say.  
 2400. *binotata* Say.  
 2401. *foveata* Le Conte.

## LIST OF SPECIES—Continued.

2402. *Chromatia amena* Say. 2445. *Selpinus virescens* Le Conte.  
 2403. *Catopocroa fuliginosa* Melsheimer. 2446. *Rhinosinus viridianus* Randall.  
 2404. *Androchirus fuscipes* Melsheimer.  
 2405. *femoralis* Olivier.

## LAGRIID.E.

2406. *Arthromacra anea* Say.  
 2407. *Statira resplendens* Melsheimer.  
 2408. *gagatina* Melsheimer.

MONOMMID.E.

2409. *Hyporhagus punctatus* Thomson.

## MELANDRYID.E.

2410. *Tetratomia truncorum* Le Conte.  
 2411. *tessellata* Melsheimer.  
 2412. *Pisenus humeralis* Kirby.  
 2413. *Penthe obliquata* Fabricius.  
 2414. *pinella* Fabricius.  
 2415. *Synchroa punctata* Newman.  
 2416. *Eustrophus bicolor* Fabricius.  
 2417. *repandus* Horn.  
 2418. *tomentosus* Say.  
 2419. *Holostrophus bifasciatus* Say.  
 2420. *Orchesia castanea* Melsheimer.  
 2421. *gracilis* Melsheimer.  
 2422. *Hallomenus scapularis* Melsheimer.  
 2423. *debilis* Le Conte.  
 2424. *Microscapha clavicornis* Le Conte.  
 2425. *Melandrya striata* Say.  
 2426. *Carebara longula* Le Conte.  
 2427. *Spilotus 4-pustulosus* Melsheimer.  
 2428. *Enchodes sericea* Haldeman.  
 2429. *Mystaxia simulator* Newman.  
 2430. *Hypitus lituratus* Le Conte.  
 2431. *concolor* Le Conte.  
 2432. *vauoueri* Mulsant.  
 2433. *Symphora floricollis* Haldeman.  
 2434. *rugosa* Haldeman.  
 2435. *Anisoxya glauca* Le Conte.  
 2436. *Scriptia sericea* Melsheimer.  
 2437. *Allopoda lutea* Haldeman.  
 2438. *Canifa plagiata* Melsheimer.  
 2439. *pusilla* Haldeman.  
 2440. *pallipes* Melsheimer.  
 2441. *Nothus varians* Le Conte.  
 2442. *Mycterus seaber* Haldeman.

## PYTHID.E.

2443. *Borus unicolor* Say.  
 2444. *Pytho americanus* Kirby.

## OEDEMERID.E.

2447. *Microtonus sericans* Le Conte.  
 2448. *Nacerdes melanura* Linnaeus.  
 2449. *Oxacis thoracica* Fabricius.  
 2450. *tenuata* Le Conte.  
 2451. *Proboscet pluralis* Le Conte.  
 2452. *Asclera ruficollis* Say.  
 2453. *puncticollis* Say.

## MORDELLID.E.

2454. *Pentaria trifasciata* Melsheimer.  
 2455. *Anaspis floripennis* Haldeman.  
 2456. *rufa* Say.  
 2457. *Tomoxia linerella* Le Conte.  
 2458. *inclusa* Le Conte.  
 2459. *Mordella melana* Germar.  
 2460. *scutellaris* Fabricius.  
 2461. *irrorata* Le Conte.  
 2462. *s-punctata* Fabricius.  
 2463. *marginata* Melsheimer.  
 2464. *lunulata* Helmuth.  
 2465. var. *obliqua* Le Conte.  
 2466. *serral* Say.  
 2467. *oculata* Say.  
 2468. *triloba* Say.  
 2469. *undulata* Melsheimer.  
 2470. *fascifera* Le Conte.  
 2471. *discoidea* Melsheimer.  
 2472. *Mordellistena bicinctella* Le Conte.  
 2473. *arida* Le Conte.  
 2474. *butea* Melsheimer.  
 2475. *trifasciata* Say.  
 2476. *lepidula* Le Conte.  
 2477. *limbalis* Melsheimer.  
 2478. *biplagiata* Helmuth.  
 2479. *rapida* Le Conte.  
 2480. *decorella* Le Conte.  
 2481. *fulricollis* Melsheim-  
mer.  
 2482. *ornata* Melsheimer.  
 2483. *militaris* Le Conte.  
 2484. *scapularis* Say.  
 2485. *conata* Le Conte.  
 2486. var. *cervicalis* Le  
Conte.  
 2487. var. *picicornis* Le  
Conte.  
 2488. *amica* Le Conte.

## LIST OF SPECIES—Continued.

2489. *Mordellistena aspersa* Melsheimer.  
 2490.      *piciabris* Helmuth.  
 2491.      *infima* Le Conte.  
 2492.      *andreae* Le Conte.  
 2493.      *graminica* Le Conte.  
 2494.      *auvillei* Le Conte.  
 2495.      *variens* Le Conte.  
 2496.      *rustulata* Le Conte.  
 2497.      *seminusta* Le Conte.  
 2498.      *impatiens* Le Conte.  
 2499.      *nigricans* Melsheimer.  
 2500.      *ruficeps* Le Conte.  
 2501.      *postulata* Melsheimer.  
 2502.      *convicta* Le Conte.  
 2503.      *fuscipennis* Melsheimer.  
 2504.      *morula* Le Conte.  
 2505.      *ambusta* Le Conte.  
 2506.      *unicolor* Le Conte.  
 2507.      *marginalis* Say.  
 2508.      *pubescens* Fabricius.  
 2509.      var. *leporina* Le Conte.  
 2510.      var. *hebraica* Le Conte.  
 2511.      *bihamata* Melsheimer.  
 2512.      *liturata* Melsheimer.  
 2513.      *fuscata* Melsheimer.  
 2514.      *suturella* Helmuth.  
 2515.      *attenuata* Say.  
 2516.      *discolor* Melsheimer.

*ANTHICID.E.*

2517. *Stereopalpus mellyi* Laferté.  
 2518. *Corphyra terminalis* Say.  
 2519.      *labiata* Say.  
 2520.      *lunibris* Say.  
 2521.      *collaris* Say.  
 2522. *Xylophilus melsheimeri* Le Conte.  
 2523.      *basalis* Le Conte.  
 2524.      *nebulosus* Le Conte.  
 2525.      *fasciatus* Melsheimer.  
 2526.      *subfasciatus* Le Conte.  
 2527.      *notatus* Le Conte.  
 2528.      *picus* Le Conte.  
 2529.      *brunnipennis* Le Conte.  
 2530.      *impressus* Le Conte.  
 2531. *Maeratria confusa* Le Conte.  
 2532.      *murina* Fabricius.  
 2533. *Notoxus anchora* Hentz.  
 2534.      *monodon* Fabricius.  
 2535.      *bicolor* Say.  
 2536. *Mecynotarsus caudidus* Le Conte.  
 2537. *Tomoderus constrictus* Say.

2538. *Anthicus sturmii* Laferté.  
 2539.      *myrmecoides* Hamilton.  
 2540.      *cinctus* Say.  
 2541.      *floralis* Linnaeus.  
 2542.      *ricinus* Laferté.  
 2543.      *confusus* Le Conte.  
 2544.      *scabriceps* Le Conte.  
 2545.      *cervinus* Laferté.  
 2546.      *latebrans* Le Conte.  
 2547.      *spretus* Le Conte.  
 2548.      *pubescens* Le Conte.  
 2549.      *fulvipes* Laferté.  
 2550.      *haldemani* Le Conte.

*PYROCHROID.E.*

2551. *Ischalia costata* Le Conte.  
 2552. *Pyrochroa flabellata* Fabricius.  
 2553.      *fenoralis* Le Conte.  
 2554. *Dendroides canadensis* Latreille.

*MELOID.E.*

2555. *Meloe angusticollis* Say.  
 2556.      *americanus* Leach.  
 2557.      *macrensis* Le Conte.  
 2558. *Tricrania sanguinipennis* Say.  
 2559. *Nemognatha nemorensis* Hentz.  
 2560.      *cribraria* Le Conte.  
 2561. *Zonitis bilineata* Say.  
 2562. *Hornia minutipennis* Riley.  
 2563. *Macrobasis unicolor* Kirby.  
 2564. *Epicauta pensylvanica* De Geer.  
 2565.      *cinerrea* Forster.  
 2566.      *vittata* Fabricius.  
 2567.      *lemniscata* Fabricius.  
 2568.      *strigosa* Schönherr.  
 2569.      *trichrus* Pallas.  
 2570. *Pyrota germari* Haldeman.  
 2571.      *limbalis* Le Conte.  
 2572. *Pomphopora wenea* Say.

*RHIPIPHORID.E.*

2573. *Pelecotoma flavipes* Melsheimer.  
 2574. *Rhipiphorus pectinatus* Fabricius.  
 2575.      *eruentus* Germar.  
 2576.      *limbatus* Fabricius.  
 2577. *Myodites fasciatus* Say.  
 2578.      var. *stylopides* Newman.

*STYLOPID.E.*

2579. *Xenos peckii* Kirby.

## LIST OF SPECIES—Continued.

*RHINOMACERID.E.*

2580. *Rhinomacer pilosus* Le Conte.  
2581.       *elongatus* Le Conte.

*RHYNCHITID.E.*

2582. *Auletes cassandrae* Le Conte.  
2583. *Eugnamptus angustatus* Herbst.  
2584.       *collaris* Fabricius.  
2585. *Rhynchites hirtus* Fabricius.  
2586.       *wneus* Boheman.  
2587.       *wratus* Say.  
2588. *Pterocolus ovatus* Fabricius.

*ATTELABID.E.*

2589. *Attelabus analis* Illiger.  
2590.       *nigripes* Le Conte.  
2591.       *bipustulatus* Fabricius.

*OTIORHYNCHID.E.*

2592. *Epicerus imbricatus* Say.  
2593. *Hormorus undulatus* Uhler.  
2594. *Panscopus erinaceus* Say.  
2595. *Phyvelis rigidus* Say.  
2596. *Otiorynchus ovatus* Linnaeus.  
2597.       *suleatus* Fabricius.  
2598. *Cercopeus chrysorrhacus* Say.  
2599. *Tanymecus confertus* Gyllenhal.  
2600. *Pandeleetus hilaris* Herbst.  
2601. *Brachystylus acutus* Say.  
2602. *Aramigus fulleri* Horn.  
2603. *Aphrastus taniatus* Gyllenhal.

*CURCULIONID.E.*

2604. *Sitones flavescentes* Marsham.  
2605.       *hispidulus* Germar.  
2606. *Ilycyrus noveboracensis* Forster.  
2607. *Apion impeditum* Fall.  
2608.       *impunctistriatum* Smith.  
2609.       *coracellum* Fall.  
2610.       *atrides* Smith.  
2611.       *finitimum* Fall.  
2612.       *melanarium* Gerstaecker.  
2613.       *robustum* Smith.  
2614.       *minutum* Smith.  
2615.       *pennsylvanicum* Boheman.  
2616.       *perminutum* Smith.  
2617.       *reclusum* Fall.  
2618.       *coeruleum* Fall.  
2619.       *tenuirostrum* Smith.  
2620.       *wneipenne* Smith.

2621.       *Apion patruelis* Smith.  
2622.       *walshii* Smith.  
2623.       *perforicolle* Fall.  
2624.       *norellum* Fall.  
2625.       *turbulentum* Smith.  
2626.       *griseum* Smith.  
2627.       *porcatum* Boheman.  
2628.       *rostrum* Say.  
2629.       *nigrum* Herbst.  
2630.       *segnipes* Say.  
2631.       *rentricosum* Le Conte.  
2632.       *decoloratum* Fall.  
2633.       *emaciipes* Fall.  
2634.       *carinatum* Smith.  
2635.       *parallelum* Smith.  
2636.       *puritanum* Fall.  
2637.       *herculanum* Smith.  
2638. *Podapion gallicola* Riley.  
2639. *Phytonomus comptus* Say.  
2640.       *punctatus* Schönherr.  
2641. *Listronotus tuberosus* Le Conte.  
2642.       *callosus* Le Conte.  
2643.       *inequalipennis* Boheman.  
2644.       *caudatus* Say.  
2645.       *appendiculatus* Boheman.  
2646.       *sulcirostris* Le Conte.  
2647.       *latinusculus* Boheman.  
2648. *Macrops solitus* Boheman.  
2649.       *sparsus* Say.  
2650.       *porcellus* Say.  
2651. *Pissodes strobi* Peck.  
2652. *Pachylobius picivorus* Germar.  
2653. *Hylobius pales* Herbst.  
2654. *Endocinus mannerheimii* Boheman.  
2655. *Lixus terminalis* Le Conte.  
2656.       *rectus* Le Conte.  
2657.       *concarus* Say.  
2658.       *musculus* Say.  
2659.       *scrobicollis* Boheman.  
2660.       *sylvius* Boheman.  
2661.       *juelichi* Casey.  
2662. *Dorytomus brevicollis* Le Conte.  
2663. *Pachyphantes amarus* Say.  
2664. *Smicronyx squalidus* Casey.  
2665.       *tessellatus* Dietz.  
2666.       *languidulus* Dietz.  
2667.       *atratus* Dietz.  
2668.       *congestus* Casey.  
2669.       *sculpticollis* Casey.  
2670.       *apionides* Casey.

## LIST OF SPECIES—Continued.

2671. *Smieronyx nebulosus* Dietz.  
 2672.       *maculatus* Dietz.  
 2673.       *corniculatus* Fabricius.  
 2674.       *lanuginosus* Dietz.  
 2675.       *sparsus* Casey.  
 2676. *Promecotarsus gibbirostris* Casey.  
 2677. *Phyllotrox ferrugineus* Le Conte.  
 2678. *Brachybanus electus* Germar.  
 2679. *Onychylis nigrirostris* Boheman.  
 2680. *Endalus limatulus* Gyllenhal.  
 2681.       *cibricollis* Le Conte.  
 2682.       *oralis* Le Conte.  
 2683. *Tamysphyrus lemnæ* Fabricius.  
 2684. *Ancholemus angustus* Le Conte.  
 2685. *Lissorhoptrus simplex* Say.  
 2686.       *apiculatus* Gyllenhal.  
 2687. *Bagous<sup>1</sup> mammillatus* Say.  
 2688.       *magister* Le Conte.  
 2689.       *transversus* Le Conte.  
 2690.       *bituberosus* Le Conte.  
 2691. *Otidocephalus myrmex* Herbst.  
 2692.       *cherrolati* Horn.  
 2693.       *twicollis* Horn.  
 2694.       *scrobicollis* Boheman.  
 2695. *Magdalis perforata* Horn.  
 2696.       *olyra* Herbst.  
 2697.       *bispoides* Le Conte.  
 2698.       *pandura* Say.  
 2699.       *pallida* Say.  
 2700. *Tachypterus quadrigibbus* Say.  
 2701. *Anthonomus rubidus* Le Conte.  
 2702.       *gularis* Le Conte.  
 2703.       *virgo* Dietz.  
 2704.       *sycophanta* Walsh.  
 2705.       *suturalis* Le Conte.  
 2706.       *corrulus* Le Conte.  
 2707.       *subguttatus* Dietz.  
 2708.       *signatus* Say.  
 2709.       *consimilis* Dietz.  
 2710.       *museulus* Say.  
 2711.       *suleifrons* Le Conte.  
 2712.       *interstitialis* Dietz.  
 2713.       *nigrinus* Boheman.  
 2714.       *sentellatus* Gyllenhal.  
 2715.       *juniperinus* Sanborn.  
 2716.       *orchestoides* Dietz.  
 2717.       *disjunctus* Le Conte.  
 2718.       *solfasciatus* Le Conte.  
 2719.       *robustulus* Le Conte.  
 2720.       *moleculus* Casey.  
 2721.       *ungularis* Le Conte.

2722. *Anthonomus nubilus* Le Conte.  
 2723.       *elongatus* Le Conte.  
 2724. *Pseudanthonomus cratagi* Walsh.  
 2725.       *incipiens* Dietz.  
 2726.       *seriesetosus* Dietz.  
 2727.       *longulus* Dietz.  
 2728.       *rufulus* Dietz.  
 2729. *Xanthus pygmaeus* Dietz.  
 2730.       *liliputanus* Dietz.  
 2731. *Elleschus ephippiatus* Say.  
 2732. *Acalyptus carpini* Herbst.  
 2733. *Orchestes salicis* Linnaeus.  
 2734.       *niger* Horn.  
 2735.       *pallidicornis* Say.  
 2736.       *betuleti* Horn.  
 2737. *Prionomerus calcatus* Say.  
 2738. *Piazorhinus scutellaris* Say.  
 2739.       *pictus* Le Conte.  
 2740. *Thysanoenemis heterodus* Le Conte.  
 2741.       *fraxini* Le Conte.  
 2742. *Plocetes ulni* Le Conte.  
 2743. *Gymntron teter* Fabricius.  
 2744. *Miarus hispidulus* Le Conte.  
 2745. *Lemosaccus plagiatus* Fabricius.  
 2746. *Conotrachelus juglandis* Le Conte.  
 2747.       *albicinctus* Le Conte.  
 2748.       *nenuphae* Herbst.  
 2749.       *seniculus* Le Conte.  
 2750.       *affinis* Boheman.  
 2751.       *elegans* Say.  
 2752.       *eratagi* Walsh.  
 2753.       *naso* Le Conte.  
 2754.       *posticatus* Boheman.  
 2755.       *geminatus* Le Conte.  
 2756.       *cibricollis* Say.  
 2757.       *tuberous* Le Conte.  
 2758.       *anaglypticus* Say.  
 2759.       *fissunguis* Le Conte.  
 2760.       *erinaceus* Le Conte.  
 2761.       *hispidus* Le Conte.  
 2762. *Rhyssematus lineaticollis* Say.  
 2763.       *equalis* Horn.  
 2764. *Chalcodermus collaris* Horn.  
 2765. *Microlygus setiger* Le Conte.  
 2766. *Acamptus rigidus* Le Conte.  
 2767. *Acalles carinatus* Le Conte.  
 2768.       *sordidus* Le Conte.  
 2769.       *claratus* Say.  
 2770.       *pectoralis* Le Conte.  
 2771.       *erassulus* Le Conte.  
 2772. *Tyloderna foreolutum* Say.

<sup>1</sup> Two undetermined species.

## LIST OF SPECIES—Continued.

2773. *Tuloderma fragariæ* Riley.  
 2774.       *wreni* Say.  
 2775. *Phyrdenus undulatus* Le Conte.  
 2776. *Cryptorhynchus parochus* Herbst.  
 2777.       *bisignatus* Say.  
 2778.       *fuscatus* Le Conte.  
 2779.       *obtentus* Herbst.  
 2780.       *fallax* Le Conte.  
 2781.       *minutissimus* Le  
                Conte.  
 2782.       *tristis* Le Conte.  
 2783.       *ferratus* Say.  
 2784. *Piazurus oculatus* Say.  
 2785. *Copturus binotatus* Le Conte.  
 2786.       *nunulus* Le Conte.  
 2787.       *longulus* Le Conte.  
 2788.       *queucus* Say.  
 2789.       *minutus* Le Conte.  
 2790. *Aeopterus suturalis* Le Conte.  
 2791. *Tachygonus lecontei* Gyllenhal.  
 2792.       *tardipes* Le Conte.  
 2793. *Mononychus vulpeculus* Fabricius.  
 2794. *Craponius inaequalis* Say.  
 2795. *Acanthoscelis curta* Say.  
 2796.       *acephalus* Say.  
 2797.       *tachygonoides* Dietz.  
 2798. *Auleutes nebulosus* Le Conte.  
 2799.       *asper* Le Conte.  
 2800. *Pelenosomus cristatus* Dietz.  
 2801. *Acalloides ventricosus* Le Conte.  
 2802. *Cecutorhynchus rapax* Gyllenhal.  
 2803.       *sulcipennis* Le Conte.  
 2804.       *pusio* Le Conte.  
 2805.       *atriculus* Dietz.  
 2806.       *anthonomoides* Dietz.  
 2807.       *squamatus* Le Conte.  
 2808.       *siculus* Dietz.  
 2809.       *erythropus* Dietz.  
 2810.       *septentrionalis* Gyl-  
                lenhal.  
 2811.       *puberulus* Le Conte.  
 2812.       *zimmermanni* Gyl-  
                lenhal.  
 2813. *Cielogaster zimmermanni* Gyllenhal.  
 2814. *Perigaster cretura* Herbst.  
 2815. *Pelenomus sulcicollis* Fabricius.  
 2816. *Rhinoneus pericarpius* Linnaeus.  
 2817.       *pyrrhopus* Le Conte.  
 2818.       *longulus* Le Conte.  
 2819. *Baris umbilicata* Le Conte.  
 2820.       *tumescens* Le Conte.  
 2821.       *subanea* Le Conte.  
 2822. *Baris dolosa* Casey.  
 2823.       *confinis* Le Conte.  
 2824.       *disciplina* Casey.  
 2825. *Plesiobaris T-signum* Boheman.  
 2826.       *disjuncta* Casey.  
 2827. *Glyptobaris rugicollis* Le Conte.  
 2828. *Onychobaris pectorosa* Le Conte.  
 2829. *Madarellus undulatus* Say.  
 2830. *Autobaris pusilla* Le Conte.  
 2831.       *scolopax* Say.  
 2832. *Ampeloglypterus ater* Le Conte.  
 2833.       *longipennis* Casey.  
 2834. *Desmoglyptus crenatus* Le Conte.  
 2835. *Pseudobaris pectoralis* Le Conte.  
 2836.       *nigrina* Say.  
 2837. *Trichobaris trinotata* Say.  
 2838. *Centrinus picumnus* Herbst.  
 2839.       *albotectus* Casey.  
 2840.       *perscillus* Gyllenhal.  
 2841.       *clarescens* Casey.  
 2842.       *perscitus* Herbst.  
 2843.       *penicillatus* Herbst.  
 2844.       *scutellatum-album* Say.  
 2845. *Centrinopus alternatus* Casey.  
 2846. *Nicentrus lineicollis* Boheman.  
 2847. *Limnobaris bracata* Casey.  
 2848.       *limbifer* Casey.  
 2849.       *grisea* Le Conte.  
 2850.       *confusa* Boheman.  
 2851.       *confinis* Le Conte.  
 2852.       *concurrentis* Casey.  
 2853.       *calva* Le Conte.  
 2854. *Oligolochus convexus* Le Conte.  
 2855. *Idiostethus tuberculatus* Say.  
 2856. *Stethobaris corpulenta* Le Conte.  
 2857.       *orata* Le Conte.  
 2858. *Zaglyptus striatus* Le Conte.  
 2859.       *suleatus* Le Conte.  
 2860. *Oomorphidius livicollis* Le Conte.  
 2861. *Barius cribicollis* Le Conte.  
 2862.       *curticollis* Casey.  
 2863. *Barilepton filiforme* Le Conte.  
 2864. *Plocamus hispidulus* Le Conte.  
 2865. *Balaninus caryatipes* Boheman.  
 2866.       *queucus* Horn.  
 2867.       *uniformis* Le Conte.  
 2868.       *nasicus* Say.  
 2869.       *rectus* Say.

## BRENTIIDÆ.

2870. *Eupsalis mianta* Drury.

## LIST OF SPECIES—Continued.

## CALANDRID.E.

2871. *Rhodobenus 13-punctatus* Illiger.  
 2872. *Sphenophorus ochreus* Le Conte.  
 2873.         *inæqualis* Say.  
 2874.         *pertinax* Olivier.  
 2875.         *cariosus* Olivier.  
 2876.         *sculptilis* Uhler.  
 2877.         *zex* Walsh.  
 2878.         *melanocephalus* Fabricius.  
 2879.         *placidus* Say.  
 2880.         *parvulus* Gyllenhal.  
 2881.         *germari* Horn.  
 2882. *Calandra oryzae* Linnaeus.  
 2883.         *granaria* Linnaeus.  
 2884. *Dryophthorus corticalis* Say.  
 2885. *Himatium errans* Le Conte.  
 2886.         *conicum* Le Conte.  
 2887. *Cossinus impressifrons* Boheman.  
 2888. *Stenomimus pallidus* Boheman.  
 2889. *Phloeophagus apionides* Horn.  
 2890.         *minor* Horn.  
 2891. *Wollastonia quericola* Boheman.  
 2892. *Amaurorhinus nitens* Horn.  
 2893. *Pentarthrinus parvicollis* Casey.  
 2894. *Hexarthrum ulkei* Horn.  
 2895. *Rhyncolus oregonensis* Horn.  
 2896. *Stenoscelis brevis* Boheman.

## SCOLYTID.E.

2897. *Scolytus quadrispinosus* Say.  
 2898.         *muticus* Say.  
 2899.         *rugulosus* Ratzeburg.  
 2900. *Chramesus icoria* Le Conte.  
 2901. *Phloeotribus liminaris* Harris.  
 2902.         *frontalis* Fabricius.  
 2903. *Hylesinus fasciatus* Le Conte.  
 2904.         *aculeatus* Say.  
 2905.         *opaculus* Le Conte.  
 2906. *Cuesimus strigicollis* Le Conte.  
 2907. *Phloeosinus dentatus* Say.  
 2908. *Carpophorus bifurcus* Zimmermann.  
 2909. *Dendroctonus terebrans* Olivier.  
 2910.         *frontalis* Zimmermann.  
 2911. *Hylastes porculus* Erichson.  
 2912.         *cavernosus* Zimmermann.  
 2913.         *tenuis* Zimmermann.  
 2914. *Hyllurgops pinifex* Fitch.  
 2915. *Crypturgus abtaceus* Schwarz.

2916. *Cryphalus rigidus* Le Conte.  
 2917. *Cœcotypes dactyliperda* Fabricius.  
 2918. *Hypothenemus eruditus* Westwood.  
 2919.         *dissimilis* Zimmermann.  
 2920. *Pityophthorus minutissimus* Zimmermann.  
 2921.         *pullus* Zimmermann.  
 2922.         *pulicarius* Zimmermann.  
 2923.         *puberulus* Le Conte.  
 2924.         *annectens* Le Conte.  
 2925.         *cousimilis* Le Conte.  
 2926.         *hirticeps* Le Conte.  
 2927. *Pityogenes pubigaster* Le Conte.  
 2928. *Xylocleptes decipiens* Le Conte.  
 2929. *Tomicus calligraphus* Germar.  
 2930.         *cavographus* Le Conte.  
 2931.         *pini* Say.  
 2932.         *arvensis* Eichhoff.  
 2933.         *caelatus* Eichhoff.  
 2934. *Dryocetes granicollis* Le Conte.  
 2935. *Micracis suturalis* Le Conte.  
 2936.         *opacicollis* Le Conte.  
 2937.         *rufulis* Le Conte.  
 2938. *Thysanoes fimbriicornis* Le Conte.  
 2939. *Gnathotrichus materiarius* Fitch.  
 2940.         *asperulus* Le Conte.  
 2941. *Xyleborus tachygraphus* Zimmermann.  
 2942.         *dispar* Fabricius.  
 2943.         *celsus* Eichhoff, female.  
 2944.         *biographus* Le Conte,  
                    male.  
                    *fuscatus* Eichhoff, female.  
 2945.         *planicollis* Zimmermann,  
                    male.  
                    *pubescens* Zimmermann,  
                    female.  
                    *retusicollis* Zimmermann,  
                    male.  
 2946.         *xylographus* Say.  
 2947. *Xyloterus scabricollis* Le Conte.  
 2948.         *politus* Say.  
 2949. *Corthylus punctatissimus* Zimmermann.  
 2950. *Monarthrum fasciatum* Say.  
 2951.         *mali* Fitch.  
 2952. *Platypus floricornis* Fabricius.  
 2953.         *quadridentatus* Olivier.

## LIST OF SPECIES—Continued.

## ANTHRIBID.E.

2954. *Enygnyster fasciatus* Olivier.  
 2955. *Tropidurus bimaculatus* Olivier.  
 2956.         *rectus* Le Conte.  
 2957. *Hormiscus saltator* Le Conte.  
 2958. *Toxotropis pusillus* Le Conte.  
 2959.         *fasciatus* Le Conte.  
 2960. *Eusphyrus walshii* Le Conte.  
 2961. *Piezocorynus dispar* Gyllenhal.  
 2962.         *mastus* Le Conte.  
 2963.         *mixtus* Le Conte.

2964. *Anthribus cornutus* Say.  
 2965. *Crafoparis lunatus* Fabricius.  
 2966.         *lugubris* Olivier.  
 2967. *Brachytarsus alternatus* Say.  
 2968.         *limbatus* Say.  
 2969.         *tomentosus* Say.  
 2970.         *variegatus* Say.  
 2971. *Anthribulus rotundatus* Le Conte.  
 2972. *Choragus zimmermanni* Le Conte.  
 2973.         *sugi* Le Conte.  
 2974.         *nitens* Le Conte.  
 2975. *Euxenus punctatus* Le Conte.

## ECOLOGICAL NOTES.

## CICINDELID.E.

*Tetracha virginica*, not common; single specimens have been found at various places.

*Cicindela rugifrons*, on the hills near Benning Station, not rare many years ago, but not found again; *sexguttata*, common in the woods in early spring; *purea*, rare; *vulgaris* and *repanda*, common everywhere on open sandy places, especially near water; *hirticollis* and *marginalata*, on sand banks of the lower Potomac, where the water begins to be brackish; *punctulata*, our commonest species, abundant in the streets and attracted by electric lights; *rufiventris*, not rare in the fall, across the Free Bridge, also found at Bladensburg.

## CARABID.E.

*Omophron labiatum*, hitherto only found at electric lights in June; *americanum*, common along the Potomac and Eastern Branch.

*Cychrus stenostomus*, in woods at various places during the whole year; *elevatus*, like *stenostomus*, not common; *unicolor*, across the Free Bridge, not rare in former years; *viduus*, found only once near Chain Bridge.

*Carabus*. All species are found in woods at various places; *limbatus*, very common; *sylvosus*, rather rare.

*Calosoma*. All species are extremely abundant at electric lights, but not commonly found elsewhere.

*Elaphrus riparius* and *russarius*, on mud banks along streams.

*Notiophilus*. The species are common in dry woods under old leaves.

*Nebria pallipes*, common along water courses.

*Pasiuachus depressus*, rather common under stones and logs in dry places; *sublaevis*, the same, but rare.

*Scarites subterraneus*, very common everywhere under stones in the ground.

*Dyschirius globulosus*, common under leaves in rather wet places; *hemorrhoidalis*, near pools of stagnant water; *spharicollis*, along the Potomac; *pumilus* and *pilosus*, the same.

*Olivina punctigera*, only a few specimens were found at electric lights; *planicollis*, rare; all the other species are common along the Potomac and Eastern Branch, under stones in moist places.

*Aspidoglossa subangulata*, along the Potomac, not common, but more abundantly found at electric lights.

*Schizogenius*, abundant along streams.

*Ardistomis obliquata*, not common, on the Eastern Branch, near Benning; *viridis*, very abundant along the Potomac.

*Panagaeus fasciatus*, on grassy hills under flat stones, not uncommon at electric lights.

*Bembidium punctatostriatum*. This and all the other species occur along the water courses, especially on sandy and pebbly places.

*Anillus fortis*, our only blind Carabid, found under deeply interred stones.

## ECOLOGICAL NOTES—Continued.

*Tachys*. All the species occur abundantly along streams, except *nanus* and *flavicauda*, which are common under bark of decaying logs.

*Pericompsus ephippiatus*, along the shore of the Potomac.

*Patrobus longicornis*, common with *Nebria pallipes*.

*Myas coracinus*, two specimens found some years ago in the woods near Mount Pleasant.

*Pterostichus*. The species are more or less common in the woods. Among the less common species are *ebenus*, *diligendus*, *rotundatus*, *approximatus*, and *gravis* of which only two specimens were found.

*Eratyrhus*, like *Pterostichus*, rather rare.

*Amara*, found more or less common everywhere, in woods, on hills, along streams, etc.; only *crassispina* and *cupreola* are less frequent.

*Loxandrus*, common on swampy places across the Free Bridge.

*Diplochila laticollis*, not very common along the river.

*Dicarus*, not rare under stones and logs.

*Bidister notatus* and *reflexus* common in moist places under old leaves; *flavipes*, very rare; *pudellus* and *maculatus* found only at electric lights; only two specimens of the latter have been found.

*Calathus*, very common everywhere.

*Platynus caudatus*, very rare in moist places in spring; *picticornis*, only one specimen found at electric light; *similans*, not rare under loose bark of trees; the others are all more or less common under old rubbish along the streams.

*Olisthopus parvulus*, common; *meius*, rare.

*Perigona*, both species found once gregariously in moist places.

*Atranus pubescens*, very common under old leaves in moist grounds.

*Leptotrachelus dorsalis*, not common.

*Casnonia pennsylvanica*, extremely common; *ludoviciana*, apparently not rare in swamps near Eastern Branch.

*Galerita janus*, very common; *bicolor*, less common.

*Thalpius dorsalis*, a single specimen at electric light.

*Tetragonoderus fasciatus*, common on dry sand banks along streams.

*Nemotarsus elegans*, very rare; once found at High Island.

*Lebia*, more or less common on flowers, under stones, chips, and old leaves; *marginicollis*, *pleuriticus*, *fuscata*, and *abdominalis*, rather rare.

*Coptodera aerata*, common on stumps and logs.

*Dromius picens*, under bark, common.

*Apristus subsulcatus*, common on sand banks near the river; *cordicollis*, one specimen.

*Blechnus pusio*, amongst the roots of grasses in dry meadows.

*Metabletus americanus*, near the District in Maryland.

*Plochionus timidus*, rare, beaten from trees.

*Pinacodera limbata*, common; *platycollis*, rather rare.

*Cymindis pilosa* and *neglecta*, very common, under stones in dry localities; *americana*, less common; *elegans*, very rare.

*Apernes lucidula*, not common; *sinuata*, more frequent.

*Helluomorpha bicolor* and *nigripennis*, both rare.

*Brachynus*. All species of this genus are more or less common, and their specific value is by no means established.

*Chlaenius leucoscelis* and *prasinus* are on river banks; *niger* sometimes at electric lights; the other species are common everywhere.

*Brachylobus lithophilus*, like *Chlaenius pratensis*.

*Lachnocrepis parallelus*, rather rare in swampy places.

*Anatrichis minuta*, only a single specimen found.

*Oodes amaroides*, found in very wet places, not common; *americanus*, the same, very common.

*Erolenes exaratus*, several specimens found, very rare.

*Geopinus incrassatus*, not rare, but found by hundreds at electric lights.

## ECOLOGICAL NOTES—Continued.

*Cratacanthus dubius*, one of our most common Carabids.

*Agonoderus*. All species of this genus are common, except *indistinctus*, *testaceus*, and *micros*.

*Discoderus tenebrosus*, very rare.

*Gymnopus hylacis*, very common.

*Harpalus caliginosus*, extremely abundant, especially at electric lights in midsummer; all the other species are more or less common everywhere.

*Selenophorus pedicularius*. This and the other species are common; especially at electric lights.

*Stenolophus*, common on wet places, except *alternans*, which is very rare on mud banks near the Potomac.

*Acupalpus*, like *Stenolophus*.

*Bradyellus linearis*, many specimens of this rare species found near swampy places in spring; the other species are common in moist grounds.

*Tachyellus*, common, like *Stenolophus*.

*Anisodactylus discoideus* and *baltimoreensis*, abundant along the rivers and at electric lights; *tatus* rather rare; the remaining species are common everywhere.

*Xestonotus lugubris*, not common, along the river.

*Amphasia interstitialis*, very common.

*Anisotarsus terminatus*, common; *nitidipennis*, less common.

*Spongopus verticalis*, rare.

## HALIPLIDÆ.

*Haliphus triopsis*, common in ponds of stagnant water; *punctatus*, rare; *ruficollis*, one specimen found.

*Cnemidotus simplex* and 12 *punctatus*, in pools of stagnant water.

## DYTISCIIDÆ.

*Canthydrus* and *Hydrocathus*, abundant in stagnant water.

*Laccophilus*, common in pools and flowing water.

*Hydrovatus* and *Desmopachria*, abundant in stagnant water.

*Bidessus*, common, except *flavicollis* and *granarius*.

*Celina angustata*, very common in pools on the Potomac Flats.

*Calambus nubilus*, common, *dissimilis*, one specimen.

*Hydroporus*, all the species are more or less common in brooks and creeks; *oblitus*, in cold springs.

*Hybius biguttulus*, very common, especially at the electric lights.

*Coptotomus* and *Copelatus*, abundant.

*Matus bicarinatus*, not common.

*Agabites aciculatus*, rare.

*Agabus erythropterus*, rare in springs; the rest more or less common.

*Rhantus calidus*, two specimens at electric light.

*Hydaticus bimarginatus*, few specimens at electric light.

*Dytiscus hybridus*, rare.

*Aclonus mediatus*, not rare.

*Thermonectes basilaris*, very abundant, especially at electric lights; *ornaticollis*, rare.

*Graphoderus liberus*, rare.

*Cybister fimbriolatus*, common in ponds.

## GYRINIDÆ.

*Dineutes*, more or less abundant in schools in stagnant and running waters.

*Gyrinus*, like *Dineutes*.

*Helophorus lineatus*, in pools, common; *inquinatus*, less common.

*Hydrochus subenpreus*, very abundant in pools; *securatus* and *inqualis*, not common.

*Hydrana pennsylvanica*, extremely abundant.

*Hydrophilus triangularis*, very abundant at electric lights; also *oratus*, but less abundant.

*Tropisternus* and *Hydrocharis*, common at electric lights.

*Berosus peregrinus* and *striatus*, very common; *exiguus*, rare.

*Laccobius agilis*, extremely abundant everywhere.

*Philhydrus*, all common, except *perplexus*.

*He喬ares maculicollis*, common.

*He喬ombus bifidus*, rare.

*Cymbiodyta fimbriata*, not rare; *blanchardi*, rare.

## ECOLOGICAL NOTES—Continued.

*Hydrobius tesselatus*, very rare; the others common.

*Creniphilus subeupreus*, very abundant in running water.

*Phanerotomus exstriatum*, in swamps.

*Cercyon unipunctatus*, in horse dung; *pretextatus*, in dung and decaying plants; *indistinctus*, one specimen; *hamorrhoidalis*, in fungi; also *varicularis* and *pubescent*; the rest are more or less common in rotten vegetable matter.

*Cryptopleurum minutum*, common; *americanum*, very rare.

*Pemelus costatus*, very rare in rotten fungi.

## LEPTINIDÆ.

*Leptinus testaceus*, in the nests of wood mice (*Arvicola*), in different localities.

## SILPHIDÆ.

*Necrophorus americanus*, on dead snakes; also at electric lights; the others are found on various dead animals.

*Silpha surinamensis*, very abundant, especially at electric lights; this and the others are found on putrid matters; common.

*Pinodytes cryptophagooides*, blind, under decayed leaves in rather moist places. This species, in company with *Eutypillus similis* and *Anillus fortis*, both blind, is frequently found in the mountains of Virginia.

*Cholera*. All the species are found under old leaves, in fungi, and on dead animals.

*Prionocheta opata*, like *Cholera*.

*Platynephagus ulkei*, only two specimens were found under decayed leaves, across the Free Bridge; *parasitus*, in the nests of *Formica integra*.

*Colon*. Of *paradoxum*, *hubbardi*, *thoracicum*, and *asperatum*, only single specimens have been found.

*Anisotoma obsoleta*, not rare; of *alternata* and *assimilis* only single specimens; species of this genus are to be found either under old leaves or in beating meadows at sunset in early summer.

*Colenis impunctata*, very common in fungi and under old leaves.

*Liodes*. All live in rotten wood, permeated with fungus growth.

*Cyrtusa*, beaten from grass on warm summer evenings, common.

*Isoplastus fossor*, like *Cyrtusa*, but rare.

*Agathidium*, in rotten wood and under old bark.

*Agygypus livris*, like *Agathidium*.

*Clambus gibbulus*, under flood débris; *puberulus*, less common.

## SCYDMAENIDÆ.

*Cherrolatia amurensis*, sifted from old leaves, very rare.

*Brachycerepis*, not rare, under old leaves.

*Scydmanus rarus*, under bark of old stumps, always in company with *Lasius alienus*; all the other species occur under old leaves in damp places.

*Eumierus motschulskii*, very abundant; *grossus*, rather rare.

*Cholerus zimmermanni*, rather rare.

*Cepheumnum corporosum*, not rare under old leaves.

## PSELAPHIDÆ.

*Adranes lecontei*, very rare, with *Lasius claviger*.

*Ceophylus monilis*, rare, under bark of rotten trees.

*Cedius ziegleri*, common in the hills of *Formica integra* and *exsectoides*; *spiniferus*, under loose bark of old trees.

*Tmesiphorus*, like *Ceophylus*.

*Chenium moniliforme*, very rare, with *Psenolepis parvula*.

*Ctenistes*, all the species are abundant under old leaves.

*Tyrus humeralis*, rare, under bark of old trees.

*Pselaphus erichsonii*, one specimen under a stone near Woodley Park.

*Tychus longipalpus* and *minor*, both frequently found under old leaves in rather dry places.

*Entrichites zimmermanni*, rare.

*Nixaris tomentosa*, rare.

*Decarthron stigmosum* with *Aphaenogaster treatae*; *exsectum*, one specimen found; the rest by sifting old leaves and sweeping meadow grass at sunset.

## ECOLOGICAL NOTES—Continued.

*Bryaxis*, most all of the species are found by beating grassy places toward sunset in the early part of June; *valida*, two specimens, near Free Bridge; *belfragei*, two specimens; *geminifer*, one specimen. *Arthrinus globicollis*, exceedingly abundant under old leaves in moist places.

*Batrisus ionae*, rare, with *Lasius alienus*; *monstrosus* and *ferox* occur with *Lasius clariger* and *interjectus*; *nigricans* and *triangulifer*, only single specimens; *globosus*, very common.

*Triminu*, sifted from decayed roots in the grounds, also beaten from grasses at sunset.

*Rheridius canaliculatus*, one specimen.

*Rhexius insculptus*, taken abundantly by sweeping.

*Thesimus carifrons*, two specimens.

*Trixioplectus arcuatus*, one specimen.

*Euplectus*, generally found in rotten wood.

*Eutypillus similis*, very common with *Pinodytes cryptophagooides*.

## STAPHYLINIDÆ.

*Aleochara lata*, common under carcasses; the others very common under dung.

*Oxypoda sagulata*, excessively common; most of the species are common under dung; several undescribed species.

*Xenodus cara*, found in the nests of *Camponotus pennsylvanicus*.

*Myrmecodia rufis*, very rare; *schwarzi*, in the nests of *Lasius alienus*.

*Philothermes pennsylvanicus*, among *Termes*, not rare.

*Hoplandria lateralis*, very common under old leaves and carcasses.

*Atheta*, most of the species remain undetermined.

*Tachysa*, like *Atheta*.

*Falagria bilobata*, this and the other species are more or less abundant under old leaves.

*Euryusa obtusa*, not rare in the nests of *Formica integra* and *excavatoides*.

*Leptusa*, the species are common under moist bark.

*Placusa*, like *Leptusa*.

*Gyrophana*, all species live in toadstools.

*Myllaena* and *Dinopsis*, in old moist leaves and flood débris. Several genera

and a great number of species of the *Aleocharina* remain as yet unrecognized and undescribed.

*Aclyphorus flavicollis* and *pronus*, common under débris near water; *densus*, very rare.

*Heterothops pusio*, not rare.

*Quedius ferox*, rather rare; the others are abundant under old leaves, stones, etc.

*Listotrophus cingulatus*, very common under decaying vegetable and animal matter.

*Creophilus villosus*, like the preceding.

*Staphylinus vulpinus*, under old leaves, common; *maculosus*, in decaying fungi, dung; *fossator*, decaying fungi; *violaceus*, very abundant in old fungi; *comes*, *exulans*, both rare under dung; *praelongus* and *viridans*, each one specimen.

*Ocypus ater*, rare under stones.

*Belonuchus formosus*, very abundant on sap exuding from wounded trees.

*Tympaenophorus puncticollis*, very rare.

*Philonthus politus*, rare; *umbratilis*, *latulus*, *inquietus*, each one specimen; *asper*, not rare in the stems of toadstools; *hepaticus*, very abundant under dry leaves; *umbrius*, under old leaves near the river; most of the other species are more or less abundant under old dung or decaying fungi.

*Actebius cinerascens*, under débris along the river, common; also *sobrius* and *paderoides*, very abundant; of *procervulus*, *parens*, *terminalis* and *lepidulus*, single specimens.

*Xantholinus fulgidus* and *temporalis*, rare; *cephalus*, under bark of trees; *emmesus*, abundant under bark and old leaves; *leunatus*, common under decaying weeds.

*Leptolinus rubripennis*, not rare in débris along the river.

*Leptacinus*, all very common under old leaves.

*Diocles schaumi*, common everywhere.

*Stenus*. Most species of this genus live on sand banks near streams, some of them gregariously in great numbers; of *delawarensis* only found two specimens under débris on the Potomac Flats, and *dispar*, on the hills across the Free Bridge.

## ECOLOGICAL NOTES—Continued.

*Euvesthetus americanus*, under moist leaves.

*Edaphus nitidus*, under moldy leaves.

*Stictocranius puncticeps*, under old leaves, but not common.

*Cryptobium bicolor*, *pallipes*, *carolinum*, common in swampy places near the river; *badium* and *cirriferum*, rather rare; *serpentinum* and *flavicornis*, very rare.

*Lathrobium*, all very common under old leaves, except *armatum*, *simile* and *ambiguum*.

*Scopirus*, like *Lathrobium*, common.

*Stilicrus tristis* and *biaruatus*, rare; *dentatus*, common in fungi.

*Lithocharis ochracea*, rather common.

*Aderocharis corticina*, very common under moist old leaves.

*Trachysectes confluens*, under moist bark of old trees, abundant.

*Pederus littorarius*, very abundant everywhere.

*Sunius*, like *Pederus*.

*Echiaster* (*Leptogenius*), an apparently undescribed species, not rare under old leaves.

*Stilocoris monstrosus*, common; *paradoxa*, very rare.

*Pinophilus latipes*, not rare under stones; *picipes*, one specimen.

*Palaminus testaceus*, common; *contortus*, rare.

*Microcyptus testaceus*, one specimen among termites.

*Tachinus meunnius*, *luridus*, *flavidus*, *fimbriatus*, *pallipes*, in fungi; *funipennis*, common in dung; *repandus*, *limbatus*, and *nitiduloides* under old leaves.

*Tachyporus*, all under old leaves and stones; *maculipennis*, rare.

*Cilea silphoides*, very abundant in horse manure.

*Erchomus ventriculus*, abundant under moist old bark; *lavis*, under old leaves.

*Conosoma*. All the species of this genus live under old leaves or on fungi growing on dead trees.

*Bolitobius*, more or less common in fungi.

*Bryoporus rufescens*, very abundant under old leaves; *flavipes*, two specimens.

*Mycetoporus*, all species occur under old leaves.

*Megalops cylindrus*, very rare, on fungi growing under logs.

*Oxyporus*, all the species live exclusively in toadstools.

*Osorius latipes*, not rare, burrowing in the ground under stones.

*Holotrichus loricatus*, rather rare.

*Bledius*. These species live on mud or sand banks near the river.

*Platystethus americanus*, exceedingly common in dung.

*Oxytelus*. These species, with the exception of *placaeinus*, which is myrmecophilous, live either in dung or decaying vegetation.

*Troglolaelaps*, all live on mud banks or in decaying leaves in muddy swamps.

*Apocellus sphaericollis*, very common under stones, everywhere.

*Ancyrophorus*, found on stones in a small creek near Cabin John Bridge.

*Thinobius fimbriatus*, on gravel banks near the Eastern Branch.

*Geodromicus cæsus* and *Lestera pallipes*, common along water courses.

*Acidotus subcarinata*, not rare under leaves in the fall.

*Arpedium schwarzi*, very abundant under old leaves.

*Olophrum*, like *Arpedium*.

*Homalium humerosum* and *repandum*, common under old leaves; *diffusum*, in fungi; *fractum*, under moist bark; *hamatum*, on dry leaves of felled trees.

*Anthobium convernum*, very abundant on flowers in early spring.

*Ephelis notata*, very common; *guttata*, rare.

*Protium atomarius*, very common under old leaves.

*Megarthrus americanus*, in fungi, not common.

*Lispinus exiguis*, one specimen under bark.

*Glyptoma costale*, in decaying wood, very common.

*Triga picipennis*, under bark of various trees.

*Eleusis pallidus*, found once in great numbers under the bark of an old stump.

*Siagonium americanum*, one specimen.

*Micropeplus cibratus*, one specimen.

## ECOLOGICAL NOTES—Continued.

## TRICHOPTERYGIDÆ.

*Nossidium americanum*, found once very abundantly in a much decayed old stump.

*Ptilium* and *Ptenidium*. Species of these genera occur under old leaves in moist places.

*Limulodes paradoxus*, strictly myrmecophilous, among *Lasius claviger*.

*Pteryx batteata*, in decaying wood.

*Ptinellodes lecontei*, under old leaves.

*Trichopteryx*. These species are more or less abundant in all sorts of decayed vegetable matters; several undescribed species.

*Smicrus filicornis*, under débris near water.

*Ptinella quercus* and *pini*, under moist bark.

*Xephanes keriusculus*, under old leaves.

## SCAPHIDIIDÆ.

*Scaphidium obliteratum*, on the mold-like fungus growing on the underside of logs, rather rare; *quadriguttatum*, with the preceding, abundant.

*Cyprarium* and *Bacocera* on moldy old leaves.

*Toxidium gammaroides*, lives like the next. *Scaphisoma*, live in fungi and old leaves.

## PHALACRIDÆ.

*Phalaerus*, *Olibrus*, *Litochrus*. All our Phalacridæ occur on various plants, as well as under decaying leaves.

## CORYLOPHIDÆ.

*Sacium*, our species live under bark of various trees; can also be beaten from dead branches.

*Arthrolips*, *Sericoderus*, under old leaves.

*Orthoperus glaber*, very abundant on growing vegetation.

## COCCINELLIDÆ.

*Anisosticta seriata*, one specimen; more abundant near salt-water regions.

*Megilla maculata*, a very abundant species, gregariously under bark and stones in cold weather.

*Hippodamia 13-punctata*, one specimen; the other species are common.

*Coccinella agnitis*, on pine trees in early spring, on willows in summer; the other species are common.

*Adalia bipunctata*, abundant in our parks and gardens.

*Harmonia picta*, rare, on pine trees.

*Mysia pullata*, exclusively on pine trees.

*Anatis ocellata*, very abundant everywhere.

*Psyllobora 20-maculata*, very common on low vegetation.

*Chilocorus birulneus*, exceedingly abundant.

*Exochomus 3-pustulatus*, on oaks, not common.

*Cryptognatha pusilla*, on shrubbery, very abundant.

*Smilia marginata* and *misella*, on trees and shrubs, common.

*Brachycantha*. The various species are beaten from low plants in meadows.

*Hyperaspis*. All the species are beaten from trees and shrubs.

*Seymnus*. All species live on trees, shrubs, and low plants.

*Cephaloseymnus zimmermanni*, on branches, very rare.

*Epilachna borealis*, very common, feeds on eucerbitaceous plants.

## ENDOMYCHIDÆ.

*Alexia lobata*, a single specimen.

*Anamorphus* spec.? known in our collections as *A. pusillus* Zimmermann MSS.

*Symbiotes ulkei* and *minor*, live on mold growing within red rotten logs.

*Mycetina hirta*, on molds in dark places.

*Rhanis unicolor*, very abundant under old bark.

*Liestes* spec.? very rare, at the base of trees.

*Phymaphora pulchella*, under old bark.

*Lycoperdina ferruginea*, in a small species of *Lycoperdon*.

*Aphorista rittata*, on molds on logs, common.

*Myctina testacea*, on fungi growing on roots and logs; *perpendra*, rare, on mold under bark.

*Stenotarsus hispidus*, on dead branches of various trees.

## ECOLOGICAL NOTES—Continued.

*Endomychus biguttatus*, sometimes in great numbers under loose bark.

## EROTYLIDÆ.

*Languria*. Our species are most frequently found on swampy meadows; *mozardi*, the most common species.

*Eurestus punctatus*, under old bark infested with fungi.

*Dacne 4-maculata*, on white fungi, growing on old logs.

*Megalodacne*, like *Eurestus*.

*Ischyros 4-punctatus*, in company with *Dacne*.

*Mycotretus sanguinipennis* and *puller*, in a certain kind of toadstool.

*Tritoma*. All species live usually in large numbers in toadstools and various fungi.

## COLYDIIDÆ.

*Synchita obscura*, found exclusively on red oak; the other species occur under bark of dead branches of various deciduous trees.

*Cicones marginalis*, one specimen.

*Ditoma*. The species are found under bark of all sorts of trees.

*Coxelus guttulatus*, not rare on dead branches.

*Lasconotus referendarius*, under pine bark in the galleries of Scolytids.

*Aulonium* and *Colydium*, the species of both genera are found under bark and in twigs of coniferous and deciduous trees.

*Aglenusbrunnens*, introduced from Europe; one specimen found by Mr. Pergande.

*Oxydemus americanus*, rare.

*Penthelispa* and *Pycnomerus*, under moist bark of dead pines.

*Bothrideres geminatus*, very common under dry oak bark.

*Erotylathris exaratus*, very rare.

*Cerylon castaneum*, under all sorts of bark, very abundant.

*Philothermus glabriculus*, very common in decayed wood.

## MURMIDIIDÆ.

*Murmidius oralis*, introduced, in old stored rice.

*Mychoerus depressus*, under moldy bark.

## RHYSSODIDÆ.

*Rhyssodes* and *Clinidium*, both genera found under bark of decayed wood.

## CUCUJIDÆ.

*Silvanus surinamensis* and *adevena*, cosmopolitan, common; the others under all sorts of bark.

*Nausibius claricornis*, under bark, rare; *repandus*, very rare.

*Catogenus rufus*, very common under bark of various trees.

*Pediatus depresso*, under bark, rare.

*Cucujus claviger*, very common under bark of deciduous trees, especially *Liriodendron*.

*Iuo reclusa*, under bark of black locust.

*Lamproleucus*, species more or less common under bark of various deciduous trees; *schwarzi*, very rare; *angustulus*, in galleries of Scolytids.

*Lathropus vernalis*, very common on old twigs.

*Dysmernus basalis*, in branches of *Rhus toxicodendron*, common at Bladensburg.

*Brontes dubius*, under bark, abundant; *debilis*, one specimen.

*Telephamus velox*, under old leaves, one of our commonest insects.

## CRYPTOPHAGIDÆ.

*Telmatophilus* and *Loberus*, by sweeping humid meadows.

*Tomarus pulchellus*, under old leaves, chips, etc., very common.

*Antherophagus ochraceus*, rare, on flowers, inquilinous in nests of *Bombus*.

*Henoticus serratus*, the specimens found here may belong to a distinct species, rare.

*Cryptophagus*. Six species occur in the District, which have not yet been studied.

*Cenoseclis*. There are seven species found here, which can not be named at present; they occur under old leaves.

*Atomariaeppippiata*, *distincta*, and *ochracea*. Eight species have been found, among which only these three are named at present.

*Ephistemus apicalis*, very common under old leaves and chips.

## ECOLOGICAL NOTES—Continued.

## MYCETOPHAGIDÆ.

*Mycetophagus punctatus* and *flexuosus*, very common in various fungi; *obsoletus*, once found in abundance in a white fungus; *pluripunctatus*, in fungi under moldy bark; *bipustulatus*, in old flour barrels, also on moldy bark; *pini*, under old pine bark; *melsheimeri*, one specimen.

*Litargus*. All our species are common under decomposing vegetable matter, also under bark.

*Typhaea fumata*, like *Litargus*, very common.

*Berginus pumilus*, one specimen.

*Myrmeciphilus lathridioides*, in old horse manure, in autumn.

*Diplocalus brunneus* and *rufus*, old branches infested with fungi.

## DERMESTIDÆ.

*Byturus unicolor*, commonly found by beating.

*Dermestes caninus*, common under carcasses; *lardarius*, common in houses; *rufipennis*, under old bones; *elongatus*, one specimen found under bark.

*Attagenus piceus*, abundant, especially in houses; *pellio*, one specimen; *hornii*, introduced from Mexico.

*Trogoderma* and *Anthrenus*, our common house and cabinet pests, also common outdoors on flowers, especially *Spiraea*. *Cryptorhopalum haemorrhoidale* and *triste*, very abundant on flowers.

*Apsectus hispidus*, one specimen.

*Orephilus niger*, on flowers, not rare.

## HISTERIDÆ.

*Hololepta*. The two species are not rare under freshly loosened bark of trees.

*Hister*. All our species of the genus *Hister* occur in vegetable débris, except the subgenera *Platysoma* and *Cylistix*, the species of which live under bark of deciduous or coniferous trees; *Phelister xenomimicus* is very rare and seems to have not been found elsewhere.

*Tribalister marginellus*, very rare; only a few specimens have been caught, flying about in early spring.

*Tribalus americanus*, not rare, under bark and in decaying wood.

*Epiurus*, like *Tribalus*.

*Heterius brunnipennis*, in nests of *Formica fusca*.

*Echinodes setiger*, only one specimen found.

*Onthophilus alternatus*, under fungus or vegetable débris.

*Dendrophilus punctulatus*, not rare under bark of old trees.

*Puromalus*. Our species are more or less abundant under old bark of trees.

*Anapleus marginatus*, under old boards and sticks on the banks of the river.

*Saprinus*. Of these species *fraternus*, *fitchii*, and *patruelis* are found in sand near the river; all the others occur in various kinds of dung.

*Plegaderus transversus*, in galleries of *Tomius* under pine bark.

*Teretrius*, *Bacanius*, and *Aceritus*. All species of these genera live under bark of trees.

## NITIDULIDÆ.

*Brachypterus urtica*, on nettles.

*Cercus abdominalis*, on flowers of *Sambucus niger*.

*Carpophilus hemipterus*, found in grocery stores; the others live on blossoms and sap of trees.

*Colastus*. All on exuding sap of trees.

*Conotelus obscurus*, on flowers of *Convolvulus mexicanus* is introduced into greenhouses.

*Eparwa peltoides*, rare, on sap of trees; all the others are found under old leaves.

*Nitidula*, common under dry carcass.

*Stelidota*, under dry leaves.

*Prometopia 6-maculata*, on sap of trees, common.

*Phenolia grossa*, in fungi, common.

*Omosita colon*, under dry animal matter, abundant.

*Amphotis ulkei*, in ants' nests.

*Soronia undulata* and *substriata*, on sap of trees, common.

*Thalygra concolor*, one specimen.

*Pocadius helvolus*, in *Lycoperdon*, very common.

*Oxygennus*, in fungi.

*Amphicrossus ciliatus*, on sap of trees.

## ECOLOGICAL NOTES—(continued).

*Pallodes pallidus*, in toadstools, abundant.  
*Cychramus adustus*, in fungus.

*Cybocephalus nigrilulus*, on twigs of trees.  
*Cryptaracha* and *Ips*. The species of both genera found on sap.

*Pityophagus cephalotes*, one specimen on a fence, south of the Treasury.

*Rhizophagus*, on mold under bark.

*Dryops*, under stones and débris in running water.

*Elmis*, under stones and moss in running creeks.

*Stenelmis*, *Macronychus*, and *Aucyronyx*, like *Elmis*.

## HETEROCERIDÆ.

*Heterocerus*. All the species occur in mud and sand banks.

## DASCYLLIDÆ.

*Euryopogon niger* and *californicus*, on bushes.

*Odontonyx* and *Anchyrturus*, in swampy places.

*Ptilodactyla serricollis*, on bushes and low plants.

*Eucinetus*, sifted from moldy leaves.

*Ectopria nervosa*, on plants.

*Prionocyphon*, *Helodes*, *Syrtes*, and *Cyphon*. All the species of these genera live on plants in swampy places.

## RHIPICERIDÆ.

*Zenopsis picea*, under bark of trees.

*Sandalus*, occasionally found.

## ELATERIDÆ.

*Melasis pectinicornis*, found boring in dead oak.

*Tharops ruficornis*, boring in felled trees.

*Deltometopus*, on bushes, common.

*Dromaeolus*, beating from dead branches.

*Fornax*, like *Dromaeolus*, but rare.

*Adelothyreus dejauini*, one specimen.

*Microrhagus*, all on dead branches.

*Hypocalus*, like *Microrhagus*.

*Adelocera*, all under loose bark.

*Meristhus scabinula*, one specimen in a sandy place near Rock Creek.

*Chaleolepidius viridipilis*, on fences and trees.

*Alaus oculatus*, under bark of various trees; *myops*, under bark of pine trees.

*Hemirhipus fascicularis*, on fences and trees.

*Cardiophorus convexus* and *gagates*, beating from trees and bushes; *cardisee*, on sandy places.

## LATHRIDIIDÆ.

*Holoparamecus kunzei*, one specimen found under bark of an old hickory tree.

*Lothridius liratus*, very common under débris.

*Enicmus* and *Couinomus*, found on molds. *Corticaria* and *Melanophthalmus*, found by sifting and beating.

## TROGOSITIDÆ.

*Nemosoma parallelum* and *cylindricum*, parasitic on Scolytids.

*Alindria cylindrica* and *teres*, on old branches.

*Trogosita virescens*, very common under various trees.

*Tenebrioides mauritanica*, in flour and feed stores; the other species found under bark of trees.

*Grynocharis quadrilineata*, rare, on tree fungi.

*Lycoptus villosus*, in decaying wood.

*Thymalus fulgidus*, on tree fungi.

## MONOTOMIDÆ.

*Monotoma*, under decaying weeds.

*Hesperobius*, *Europs*, and *Bactridium*, under bark of trees.

## BYRRHIDÆ.

*Nosodendron unicolor*, sap of trees.

*Byrrhus murinus*, in moss.

*Synecalypta strigosa*, sifted from moss.

*Limnichus*, along the edge of the river.

## PARNIDÆ.

*Psephenus lecontei*, under stones in running water.

*Lutrochus luteus*, two specimens swept along the river.

## ECOLOGICAL NOTES—Continued.

*Horistonotus curiatus*, on bushes and trees, common.

*Esthesopus claricollis*, one specimen.

*Cryptohypnus choris*, on dry sand banks; *melsheimeri* and *perplexus*, on gravel banks; the others swept in meadows.

*Anchastus rufus*, very rare.

*Monocrepidius*, on meadows and bushes; *auritus* and *bellus* very common under stones in early spring.

*Dicrepidius* and *Ischiodontus*, both very rare, on bushes.

*Elater*. All the species are found under bark and by beating dead branches.

*Drasterius elegans* and *amabilis*, mostly under stones, very abundant.

*Megapenthes*, on bushes.

*Ludius*, under bark.

*Agriotes* and *Dolopinus*, on bushes.

*Glyphonyx*, on bushes, very common.

*Melanotus*, *Limonius*, *Athous*, *Sericosomus*, *Corymbites*, *Hemicrepidius*, and *Melanactes* are all more or less frequent in old stumps, under bark and stones, or beaten from various bushes; *Leptoschema bicolor* is very rare; *Sericosomus viridanus*, under chips and stones in early spring; *Melanactes reichei*, only two specimens.

*Perothops mucida*, from old beech trees.

*Cerophytum pulsator*, three specimens found under chips and stones in early spring.

THROSCIDÆ.

*Drapetes geminatus*, under rotten bark and on dead branches.

*Aulonothroscus* and *Throscus*, under old leaves and plants.

BUPRESTIDÆ.

*Chalcophora virginiana*, in pines; *campestris*, on sycamore.

*Dicercia*, on various deciduous trees.

*Paeconota debilis*, very rare.

*Buprestis rufipes*, on oak; the other species on pines.

*Cinara gracilipes*, on oak.

*Melanophila*, all on pines.

*Anthaxia*, all on various deciduous trees.

*Chrysobothris femorata*, *pusilla*, *azurea*, and *scitula*, on various deciduous trees; *floricola*, *denticipes*, *6-signata*, *harrisii*, on pines.

*Aetenodes acornis*, rare.

*Aeniodera ornata* and *culta* on flowers.

*Ptosima gibbicollis*, on black locust.

*Mastogenius*, on oaks.

*Eupristocerus cogitans*, on elder bushes.

*Agrilus ruficollis*, on different kinds of *Rubus*; *otiosus*, on oak and hickory; *arcuatus*, on hazel; *bilineatus*, on chestnut and honey locust; *politus*, on oak; *egenus*, on black locust; *obsoletus* and *granulatus* are rare.

*Rhaboscelis tenuis*, on oaks.

*Taphrocerus gracilis*, very common on plants in swampy meadows.

*Brachys*, all on oak bushes.

*Pachyschelus purpureus*. The larva mines the leaves of *Lespedeza*.

LAMPYRIDÆ.

*Calopteron terminale* and *reticulatum*, both common.

*Celetes basalis*, not common.

*Cania dimidiata*, rare.

*Eros*, *Plateros*, and *Calochronus*, on flowers and bushes.

*Lucidotus*, like the preceding.

*Ellychnia corrusca*, very common about trees and bushes.

*Pyropygus* and *Pyractomena*, like *Ellychnia*.

*Photinus pyralis*, our commonest firefly.

*Photuris pennsylvanica*, very abundant.

*Phengodes spec.?*, a single female specimen has been found.

*Tytthonyx erythrocephala*, common on bushes.

*Ometes marginatus*, rare, beaten from bushes.

*Chauliognathus*, very common on blossoms and flowers.

*Podabrus tricostatus* and *basilaris*, rare; the others common.

*Silis percomis* and *spathulata* are both rare.

*Ditemnus bidentatus*, very common on clover.

*Telephorus*. All species are on low plants and bushes.

*Polemius laticornis*, on meadows.

*Trypherus latipennis*, common on bushes.

*Malthinus* and *Malthodes*, on bushes and grasses in meadows.

## ECOLOGICAL NOTES—Continued.

## MALACHIIDÆ.

*Collops*, more or less common in meadows, chiefly on clover.

*Chatocerus setosus*, on branches of oak.

*Anthocomus Psenebeus*, and *Attalus*. All the species of these genera are found on grasses, flowers, and bushes.

## MELYRIDÆ.

*Alymeris cibrata*, chiefly found on chestnut blossoms.

## CLERIDÆ.

*Elasmocerus terminatus*, found on trees infested with Scolytids and Bostrychids.

*Cymatodera*, on dead branches.

*Trichodes apivorus*, on flowers of *Spiraea*.

*Clerus quadriguttatus*, on pine; *rosmarus*, on flowers; *ichneumoneus* and *thoracicus*, on branches of deciduous trees.

*Thaumasius dubius*, on pine.

*Thaumeroclerus sanguineus*, under bark of deciduous trees; *tantillus*, one single specimen found.

*Hydnocera*, all species occur in meadows and on bushes.

*Phyllobaenus dislocatus*, on dead branches.

*Ichnea laticornis*, lives parasitic on *Phloeosinus dentatus*.

*Charissa pilosa*, on dead branches of deciduous trees.

*Cregya*, like *Charissa*.

*Orthopleura damicornis*, on branches of oak.

*Necrobia*, all on dried animal matter.

## DERODONTIDÆ.

*Derodontus maculatus*, on mold under loose bark of trees.

*Larieobius erichsoni*, found many years ago on pine in the Smithsonian grounds.

## PTINIDÆ.

*Gibbium psylloides*, one specimen found at the wall of the United States Treasury building.

*Ptinus fur* and *brunneus*, in houses; *quadrimaculatus* and *interruptus*, one specimen of each in white rotten oak.

*Eucrada humeralis*, on bushes.

*Ernobius mollis*, on old woodwork; the others beaten from pine branches.

*Ozognathus floridanus*, two specimens, beaten from bushes.

*Oligomerus*, all on dead branches.

*Sitodrepa panicea*, everywhere, in houses.

*Hadrobregmus*, beaten from dead branches.

*Trichodesma gibbosa*, in old branches.

*Anobium notatum*, on old oak branches.

*Trypopitys sericeus*, on old branches.

*Petalium bistriatum*, very common on dead branches.

*Theca*, *Eupactus*, and *Xyletinus*, all on old twigs.

*Lasioderma serricorne*, in drugs and tobacco.

*Hemiptechus*, all species on dead branches.

*Prothea hispida* and *puberula*, in old rotten wood, common.

*Dorecatoma*, all in dead branches.

*Cenocara oculata*, in *Lycoperdon*.

*Ptilinus ruficornis*, boring in old wood.

*Endecatomus rugosus*, in old timber.

## BOSTRICHIDÆ.

Most of the *Bostrichidæ*: *Stephanopachys*, *Lichenophanes*, *Xylobiops*, etc., bore in dead twigs or are found under loose bark. *Dinoderus* and *Rhizopertha* are importations.

## LYCTIDÆ.

*Lyctus* and *Trogoxylon*, both in old woods.

## CUPESIDÆ.

*Cupes concolor*, on old wood.

## LYMEXILIDÆ.

*Lymexylon sericeum*, boring in old oak wood.

*Micromalthus debilis*, one specimen found in the city.

## CIOIDÆ.

*Cis*. All species live in fungi growing on logs and stumps; quite a number of species are not determined yet.

## ECOLOGICAL NOTES—Continued.

*Ennearthron thoracicum*, like *Cis*; several undetermined species.

*Ceraeis sallaei*, like *Ennearthron*.

*Rhipidondrus paradoxus*, in a white fungus at the base of trees.

## SPHINDIDÆ.

*Sphindus americanus*, in fungi growing on timber.

## LUCANIDÆ.

*Lucanus elaphus*, one specimen said to be found in Washington; *dama*, not rare at electric lights.

*Dorcus parallelus*, in white rotten wood.

*Platycerus* and *Ceruchus*, like *Dorcus*.

*Nicagus obscurus*, on sand banks along the Eastern Branch.

## PASSALIDÆ.

*Passalus cornulus*, boring galleries in old stumps and logs.

## SCARABEIDÆ.

*Canthon levis* and *vigilans*, common in dung; *viridis*, under old leaves.

*Charidium histeroides*, in decaying fungi.

*Copris*, all in dung.

*Phanaeus carnifex*, in human excrements.

*Onthophagus hecate*, *tuberculifrons*, and *pennsylvanicus*, in dung; *janus* and varieties, in decaying toadstools and fungi.

*Aphodius*. All species of this genus live in various kinds of dung; only *serrai* is found under old leaves, and *oblongus* in hollow trees.

*Dialytus truncatus* and *striatulus*, in horse manure.

*Ataenius*, all species found in rich grounds; *figurator*, found at electric light.

*Rhyssemus scaber*, under stones in wet sandy places.

*Pleurophorus rarus*, in rich soil; *centralis*, one specimen.

*Pselmodius interruptus*, in sandy places along the river; *agialoides*, one specimen.

*Egialia*, one undescribed specimen.

*Ochodaxus musculus*, one specimen.

*Bolbocerus*, found occasionally in roads.

*Odonticus cornigerus*, like *Bolbocerus*.

*Geotrupes*, all in rotten fungi and dung; *hornii*, under the stem of a toadstool, also at electric lights.

*Cleotus aphodioides*, in rotten wood.

*Trox*, all the species are found in dried carcasses of mammals and birds, also at electric lights.

*Hoplia*, found flying on sandy soil.

*Dichelonycha*, on bushes.

*Serica respentina*, very common under stones and logs in spring; *iricolor* and *sericea* on bushes; *trociformis*, rare.

*Macrodactylus subspinosus*, the well-known rose chafer.

*Diplotaxis*, the species are all found under stones and on bushes.

*Lachnostenus*. There are 26 species in the District. All are found on trees at night, or attracted by lights.

*Anomala marginata*, on grapevine; the others all on pine.

*Strigoderma*, the two species are on blossoms of *rubus*.

*Pelidnota punctata*, common on grapevine.

*Cotalpa lanigera*, on cottonwood trees.

*Cyclocephala*, flying after dusk.

*Chalepus trachypygus*, on muddy grounds along the river, and abundant at electric lights.

*Ligyrus*, in moist sandy places.

*Aphonous*, in old decayed stump of trees.

*Xyloryctes satyrus*, larva very abundant under stones in pastures.

*Strategus antecus*, in rotten wood.

*Dynastes tityus* in rotten wood, not common.

*Phileurus rufus*, one specimen dug out from the ground.

*Allorhina nitida*, extremely abundant in spring.

*Euphoria indica*, very abundant in early spring; *areata* in sandy roads; *herbacea* on bushes; *fulgida* and *sepulchralis* on blossoms.

*Cremastocheilus leucostictus*, one specimen occurred at Odenton, Maryland. All the others are found in nests of various ants, also flying on roads.

*Osmoderma crenicola* and *scabra*, in rotten trees.

## ECOLOGICAL NOTES—Continued.

*Gnorimus maculosus*, on blossoms, very rare.

*Trichius*, all species are found on flowers and blossoms.

*Valgus*, in decaying chestnut trees.

## SPONDYLIDÆ.

*Parandra brunnea*, under bark of old deciduous trees.

## CERAMBYCIDÆ.

*Orthosoma brunneum*, under loose bark.

*Prionus*, like *Orthosoma*.

*Sphenoselaphus taslei*, not common on bushes.

*Asemum mestum*, on pine.

*Criocephalus*, frequently met with in lumber yards.

*Smicidium crenififorme*, abundant under bark.

*Hylotrupes bajulus*, on posts, lumber, etc.; *ligneus*, on juniper.

*Phyliatodes varius*, in oaks; *amoenus*, in grapevine.

*Callidium*, all common on pine.

*Oeme rigida*, on juniper.

*Gracilia minuta*, on twigs of trees.

*Chion cinctus*, in hickory and oak.

*Eburia quadrigeminata*, in lumber yards and attracted by light.

*Romaleum atomarium* and *rufulum*, both not common.

*Elaphidion villosum*, extremely abundant; *muconatum*, common; *unicolor*, less common; *subpubescens* and *cinerascens*, rare.

*Tylonotus bimaculatus*, rare, a specimen found at electric light.

*Heterachthes quadrinotatus* and *ebenus*, both rare.

*Curius*, *Phytou*, *Obrium*, beaten from branches and twigs.

*Callimoxys sanguinicollis*, on flowers.

*Molorchus bimaculatus*, on blossoms.

*Rhopalophorus*, on flowers.

*Tragidion coquus*, rare.

*Purpuricenus humeralis*, on hickory and oak; *axillaris*, rare.

*Batyle suturalis*, very common on flowers.

*Stenosphenus notatus*, on various trees.

*Cyllene pictus*, on hickory in spring; *robustus*, very common on solidago in autumn.

*Calloides nobilis*, rare.

*Arhopalus fulminans*, rare.

*Cytus marginicollis*, not common.

*Xylotrechus colonus*, very common; *sagittatus*, in pine; *quadrimaculatus*, rare.

*Neoclytus*, on flowers and running on trees.

*Clytanthus ruricola* and *albofasciatus*, both rare.

*Microclytus gazellula*, one specimen.

*Cyrtophorus verrucosus*, common on flowers.

*Tillomorpha geminata*, bred from sumae.

*Euderes picipes*, very common on flowers; *pini*, in lumber yards.

*Atimia confusa*, not common on juniper.

*Distenia undata*, in grapevine.

*Desmocerus palliatus*, on sambucus.

*Necydalis mellitus*, one specimen.

*Encylops caeruleus*, on flowers.

*Rhagium lineatum*, very common under pine bark.

*Centrodera decolorata* and *picta*, of both single specimens.

*Toxotus trivittatus*, one specimen.

*Acmrops directa*, not common; *discoidea*, one specimen.

*Gaurolites cyanipennis*, on blossoms.

*Strangalia* and *Typecerus*, all on blossoms.

*Leptura*, all on blossoms and flowers; *marginata*, very rare; *haematocheila*, *circumdata*, *pubera*, are rare; *lineola*, *nitens*, *vittata*, *ragana*, *cordifera*, *proxima*, are common; of *subhamata* and *mutabilis*, single specimens.

*Euryptera lateralis*, rare.

*Cyrtinus pyrrhoxanthus*, common on trees and bushes.

*Psenocerus supernotatus*, common on various deciduous trees.

*Monohammus*, on pine; also in our lumber yards.

*Dorcaschema wildii*, on osage orange; *alternatum*, on mulberry and osage orange; *nigrum*, rare.

*Hetaemis cinerea*, on mulberry and hickory.

*Cacoplia pullata*, one specimen.

*Goes tigrina*, *puerulenta*, *oculata*, and *tessellata*, on bushes; *pulchra*, on hickory; *debilis*, on white oak.

*Plectrodera scalaris*, on willow; two specimens near the Free Bridge.

## ECOLOGICAL NOTES—Continued.

*Acanthoderes quadrigibbus*, rather rare; *decipiens*, very common; *morrisoni*, very rare.

*Leptostylus* and *Liopus*, all on old twigs and dead branches.

*Dectes spinosus*, common on various weeds.

*Lepturges*, like *Leptostylus*.

*Hyperplatys*, like the preceding.

*Urographis fasciata*, on deciduous trees.

*Ceratographis pusillus*, in pine trees.

*Acanthocinus obsoletus* and *nodosus*, in pine.

*Pogonocherus mixtus*, in pine, rare.

*Ecyrus dasycerus*, very common on deciduous trees.

*Eupogonius tomentosus*, not rare on pine; *restitus*, on bushes; *subarmatus*, rare on beech.

*Oncideres cingulata*, on persimmon.

*Atavia crypta*, on old branches.

*Hippopsis lemniscata*, on weeds.

*Saperda obliqua*, on alnus; *candida*, on apple trees; *tridentata* and *vestita*, on elm; *lateralis*, on willows; *puncticollis*, on *Rhus toxicodendron*.

*Oberea bimaculata*, on *rubus*; *3-punctata*, on *solidago*; *ocellata*, and *gracilis*, rare; *ruficollis*, on sumac and sassafras.

*Tetrops monostigma* and *jucunda*, on meadows.

*Tetraopes tetraophthalmus*, on *Asclepias cordifolia*; *caeruleator*, on an orange-colored *Asclepias*; *5-maculatus*, on specimen.

*Amphionycha flammata*, on bushes.

*Dysphaga tenuipes*, in hickory; *levis*, one specimen.

CHRYSMELIDÆ.

*Donacia cincticornis*, *palueta*, and *piscatrix*, on aquatic plants; the others on swampy meadows; the only specimens of *hypoleuca* were found at electric light.

*Hamonia nigricornis*, in swamps on water plants.

*Orsodacna atra*, on willow blossoms in early spring.

*Zenophora puberula*, on poplar.

*Syneta ferruginea*, rare.

*Lemna sayi*, on *Commelinia virginica*, along the Potomac Flats; *trilineata*, on potatoes; *6-punctata* and *brunnicollis*, in meadows.

*Crioceris asparagi* and *12-punctata*, on asparagus, imported.

*Anomea latiflavia*, common on robinia.

*Coscinoptera dominicana*, on bushes and herbs.

*Babia* and *Saxini*, on meadows.

*Chlamys*, larva on sycamore.

*Erema gibber* and *conspersa*, in meadows and on shrubs.

*Bassareus* and *Cryptocerphalus*. All species of these genera live on various flowers and bushes; only *schreibersii* on pine.

*Griburius equestris*, on wild roses.

*Pachybrachys*, like *Cryptocerphalus*; *tridens*, on *Rhus toxicodendron*; there are some unrecognized forms.

*Monachus*, *Diachus*, *Triachus*, all on bushes and plants in meadows; *Diachus levius* and *Triachus rauicus* are rare.

*Fidia riticida* and *longipes*, common on grapevine.

*Xanthonia*, very common on various bushes.

*Myochrous denticollis*, by sweeping meadows.

*Glyptoscelis pubescens* and *barbata*, common on pine.

*Graphops*, in meadows, especially on clover.

*Typophorus canellus* and varieties, very common in meadows; *riridicyaneus*, rare.

*Metachroma*, on bushes, especially oak.

*Chrysochus auratus*, common on apocynum.

*Tynnes tricolor*, common on bushes.

*Colaspis*, common on meadows and bushes.

*Rhabdopterus picipes*, like *Colaspis*.

*Nodonota*, on flowers and bushes.

*Chrysodina*, like *Colaspis*, very common.

*Prasocuris rufipes*, on swampy grounds.

*Labidomera clivicollis*, on *Asclepias incarnata*.

*Leptinotarsa decemlineata*, the well-known potato beetle; *juncta*, has disappeared from our fauna since the arrival of *decemlineata*.

*Zygogramma* and *Calligrapha*, all on meadows and weeds.

*Plagioderes viridis*, very common on cruciferous plants.

## ECOLOGICAL NOTES—Continued.

*Gastroidea cyanea*, on rumex.  
*Lina lapponica* and *scripta*, on willows.  
*Monocesta coryli*, on elm, rare.  
*Trirhabda tormentosa*, rare; *virgata*, one specimen.  
*Galerucella americana*, on solidago; *rufo-sanguinea*, on *Azalea nudiflora*; *nymphaeæ*, on nymphaea and other aquatic plants; *decora*, on willows; *notata*, on eupatorium; *xanthocelvna*, on elm.  
*Diabrotica*, 12-punctata and *vittata*, common everywhere; *atricornis*, rare.  
*Phyllobrotica discoides* and *limbatu*, on swampy grounds.  
*Luperodes meraca* and *cyaneulus*, on meadows.  
*Phyllechthrus dorsalis* and *gentilis*, on less pedeza.  
*Cerotoma trifurcata*, common on bushes and meadows.  
*Blepharida rhois*, on rhus.  
*Pachyonychus paradoxus*, on smilax.  
*Hypolampsis pilosa*, not rare.  
*Ediomychis*, more or less common by beating meadows; *riani*, very common; *indigoptera*, one specimen.  
*Disonycha*, like *Ediomychis*; *5-vittata*, one specimen.  
*Sphaeroderma opima*, several specimens by sweeping.  
*Haltica chalybea*, on grapevine; *fuscovena*, on œnothera; *ignita*, everywhere in bushes; *amarina*, rare; *mareragans*, one specimen.  
*Lactica iris* and *tibialis*, both rare.  
*Diphaulaca bicolorata*, rare.  
*Orthaltica copalina*, very common on sumac.  
*Crepidodera rufipes*, on black locust; *helixines*, very abundant on willows; *atrientrata*, abundant on meadows.  
*Epitrix*, very abundant on various low plants; *parvula*, on solanum.  
*Mantura floridana*, swampy meadows.  
*Chatocnemus*, all on meadows; *subcylindrica* and *protensa* are rare.  
*Systema*, all on bushes and lower plants.  
*Glyptina*, by sweeping meadows.  
*Aphthona insolita*, very rare.  
*Phyllotreta*, all on cruciferous plants, except *picta*.  
*Longitarsus*, all by sweeping meadows.

*Dibolia borealis*, on plantago.  
*Psylliodes convexior*, on low plants.  
*Microrhopala vittata* and *xereus*, live on solidago; the others are rare; *melsheimeri*, very rare.  
*Odontota scapularis* and *bicolor* on meadows; *dorsalis*, on black locust; *verrosa*, everywhere on bushes; *horni*, very rare.  
*Charisteua triadue*, one specimen.  
*Ototoloma plicatula*, on *Tecoma radicans*.  
*Stenispis metallica*, on swampy meadows.  
*Cassida nigripes* on convolvulus, *bivittata*, on potatoes.  
*Coptocycla clarata*, on oak; the others mostly on convolvulus.  
*Chelymorpha argus*, common on convolvulaceæ.

## BRUCHIDÆ.

*Spermophagus robiniae*, on *Gleditschia triacanthos*.  
*Bruchus pisorium*, in peas, imported; *chinenensis* and *4-maculatus*, both imported; *brevilobatus*, in seeds of *Cassia marginata*; *distinguendus*, on *Ludwigia alternifolia*; *obsoletus*, in seeds of *Tephrosia virginiana*; *oblectus* in beans; *hibisci*, in seeds of *Hibiscus moscheutos*; *exiguus*, in seeds of *Amorpha fruticosa*; of *cavus* and *perforatus*, single specimens.  
*Zabrotes obliteratus* and *subnitens*, rare, habits unknown.

## TENEBRIONIDÆ.

*Epitragus arniadinis*, on bushes.  
*Phelopsis obovata*, under old bark, one specimen.  
*Blaps similis*, said to be found in Alexandria, Virginia.  
*Polypleurus geminatus*, under stones and chips.  
*Nyctobates pennsylvanica*, abundant under loose bark.  
*Merinus lavis*, like *Nyctobates*.  
*Haplandrus femoratus* and *ater*, under loose bark.  
*Scotobates calcaratus*, common under bark.  
*Xylopinus*, under bark; *awescens*, rather rare.  
*Tenebrio obscurus* and *molitor*, introduced species; *castaneus* and *tenebrioides*, under loose bark.

## ECOLOGICAL NOTES—Continued.

*Opatrinus notus*, very common under stones.  
*Blapstinus*, under stones and chips in sandy places.  
*Tribolium ferrugineum* and *confusum*, under bark, introduced.  
*Lycus fieicola*, rare.  
*Diadus punctatus*, very common under bark.  
*Echocerus maxillosus* and *dentiger*, both imported.  
*Alphitobius diaperinus*, common, imported.  
*Uloma*, all in rotten wood.  
*Eutochia picea*, under stones and in moss.  
*Anaidis brunneus*, exceedingly common under old leaves.  
*Paratenetus*, very common on dry leaves.  
*Pratulus fusculus*, in rotten wood, rare.  
*Diaperis hydni*, in fungi, abundant.  
*Arrhenoplita bicornis* and *viridipeurus*, on various fungi.  
*Platydemia*. The species of this genus live all under bark infested with fungi; *ruficollis*, rare.  
*Phylethus bifasciatus*, in fungus.  
*Pulorus ratzeburgi* and *subdepressus*, in seeds, imported.  
*Hypophloeus*, parasitic on Scolytids; *piliger*, rare.  
*Pentaphyllus pallidus*, in fungus.  
*Boletotherus bifurcatus*, in hard fungi growing on trees.  
*Boletophagus corticola*, under old bark.  
*Helops micaeus*, *americanus*, and *areus*, at the base of trees; *renustus*, on dead branches of oak.  
*Meracantha contracta*, on old trees.  
*Strongylium tenuicolle* and *terminatum*, in rotten wood.

## CISTELIDÆ.

*Allecula nuda* and *punctulata*, on dry twigs.  
*Hymenorius*, on bushes and dead branches.  
*Cistela brevis* and *marginalata*, on flowering trees.  
*Isomira*, on flowers and bushes.  
*Mycetochares*, on old wood, but rare.  
*Chromatia amurensis*, rare.  
*Capnochroa* and *Androchirius*, on bushes and old twigs.

## LAGRIIDÆ.

*Arthromacra wrena*, common on bushes.  
*Stictira*, like *Arthromacra*.

## MONOMMIDÆ.

*Hyporhagus punctulatus*, common on chestnut logs.

## MELANDRYIDÆ.

*Tetratomia tessellata*, on rotten twigs; *truncorum*, rare.  
*Pisenus himerialis*, in fungi, not common.  
*Penthe*, in fungi growing on logs and stumps.  
*Synchrota punctata*, very common under bark.  
*Eustrophus* and *Holostrophus*, in fungi.  
*Orchesia*, in hard fungi growing on trees.  
*Hallomenus*, on fungi.  
*Microscapha clavicornis*, common on dead twigs.  
*Melandrya*, under old bark.  
*Curebara longula*, on pine twigs; one specimen.  
*Spilotus 4-pustulosus*, common on twigs.  
*Euchodes sericea*, from a felled old tree; one specimen.  
*Mystaxia simulator*, under bark.  
*Hypulus litoratus*, common on moss growing on trees; *concolor*, rare; *vaudoueri*, one specimen.  
*Symphora flavidollis* and *rugosa*, both common everywhere.  
*Ainsorya glaucula*, on dead twigs.  
*Scaptia sericea*, very common on blossoms.  
*Allopodula lutea*, on flowers.  
*Canifa*, very common on bushes.  
*Nothus varians*, on *Crataegus*.  
*Mycterus scaber*, on flowers.

## PYTHIDÆ.

*Boros unicolor*, under pine bark, once found across the Free Bridge.  
*Pytho americanus*, under bark of stumps, rare.  
*Salpingus virescens*, rare, two specimens.  
*Rhinosimus viridianus*, one specimen.

## CEDEMERIDÆ.

*Microtomas sericans*, very common on bushes.

## ECOLOGICAL NOTES—Continued.

*Nacerdes melanura*, everywhere in the city.

*Oreocis*, *Proboscia*, and *Ascelera*, all on flowers.

## MORDELLIDÆ.

*Pentaria trifasciata*, on flowers, common. *Anaspis flavipectus* and *rufa*, on flowers.

*Tomoxia lineella* on old twigs; *inclusa*, one specimen.

*Mordella*, all the species live on bushes and flowers.

*Mordellistena*. The very numerous species of this genus live partly on flowers, partly on dead twigs.

## ANTHIICIDÆ.

*Stereopalpus mellyi*, on bushes near water.

*Corypha*, on flowers in swampy localities.

*Xylophilus melsheimeri*, *basalis*, *nebulosus*, and *fasciatus*, on bushes; *sulfasciatus*, under old leaves and bushes; *brunneipennis*, under bark of sycamore; *notatus*, rare; *impressus*, on pine.

*Mucratia confusa* and *murina*, on bushes near water, very common.

*Notoxus anchora*, *monodon*, on flowers and bushes, very common; *bicolor*, under old leaves, very abundant.

*Mecynotarsus candidus*, on sand banks near Eastern Branch.

*Anthicus*. The numerous species live either on flowers or on the banks of the river.

## PYROCHROIDÆ.

*Ischalia costata*, in white rotten wood, rare.

*Pyrochroa flabellata* and *femoralis*, under chips of wood.

*Dendroides canadensis*, under bark of trees.

## MELOIDÆ.

*Meloe*, all species are crawling around in early spring.

*Triocrania saigninipennis*, found in Rock Creek Valley on gravelly grounds.

*Nemognatha nemorensis* and *cribraria*, on flowers of solidago.

*Zonitis bilineata*, on flowers.

*Hornia minutipennis*, in clay banks inhabited by *Anthophora abrupta*.

*Macrobasis unicolor*, on solidago and potatoes.

*Epicurus pennsylvanicus* and *cinerascens*, on solidago and solanum; *rittata* and *lemniscata*, on potatoes; *strigosa*, on flowers; *trichrus*, on convolvulus.

*Pyrota germari* and *limbalis*, on solidago.

*Pomphopora wava*, on willows.

## RHIPIPHORIDÆ.

*Pelecotonus flavipes*, rare.

*Rhipiphorus*, all on flowers.

*Myodites fasciatus* and varieties, on solidago and sumac.

## STYLOPIDÆ.

*Xenos peckii*, parasitic on polistes.

## RHINOMACERIDÆ.

*Rhinomacer pilosus* and *elongatus*, very common on dying pine trees.

## RHYNCHITIDÆ.

*Auletes cassandrae*, on bushes.

*Eugnamptus angustatus* and *collaris*, on sycamore and other trees.

*Rhynchites*, on various bushes, mostly oak.

*Pterocolus oratus*, on oak bushes.

## ATTELABIDÆ.

*Attelabus*, mostly on oak bushes.

## OTIORHYNCHIDÆ.

*Epicerus imbricatus*, common on dry meadows.

*Hormorus undulatus*, rare.

*Paniscopus erinaceus*, wild grapevines, June, July.

*Phyxelis rigidus*, under stones.

*Otiorynchus sulcatus*, one specimen in Oak Hill Cemetery; *oratus*, two specimens.

*Cercopaeus chrysorrhoeus*, in early spring, under chips and stones.

*Tanygnathus confertus*, on dry meadows; common.

*Pandeleteius hilaris*, extremely abundant on branches and bushes.

*Brachystylus acutus*, exclusively on persimmon.

## ECOLOGICAL NOTES—Continued.

*Aphrastus tenuistriatus*, on hazel and other bushes.

## CURCULIONIDÆ.

*Sitones flarescens* and *hispidulus*, very common on clover.

*Ithycerus noveboracensis*, on hickory.

*Apion*. All species occur on dry or moist meadows, on shrubs and bushes; only a few of them have been bred, and the food plants of these have been repeatedly recorded.

*Podapion gallicola*, bred from its gall on *Pinus rigida*.

*Phytonomus comptus*, on meadows; *punctatus*, is the well-known imported clover-leaf beetle.

*Listronotus*, all the species are found on sandy and muddy grounds near water.

*Macrops*, like *Listronotus*.

*Pissodes strobi*, common on pine.

*Puchylobius* and *Hylobius*, like *Pissodes*.

*Eudocimus mannerheimi*, rare.

*Lixus*, all occur on rather low meadows.

*Dorytomus brevicollis*, on poplar.

*Pachyphantes amoenus*, on *Cuscuta*.

*Smicronyx*. All the species are found by sweeping on meadows.

*Promecolurus gibbirostris*, like *Smicronyx*.

*Phyllotrox ferrugineus*, on bushes.

*Brachybamus*, *Onychylis*, *Endalus*, *Tanysphyrus*, *Lissorhoptrus*, and *Bugous*, all these genera are found on palustral plants.

*Oidococephalus*. Our species are inquilinous in Cynipid galls.

*Magdalalis olyra*, on hickory; *perforata* and *ispoides*, on pine; *pandura* and *pallida*, on elm.

*Tachypterus quadrigibbus*, on *Crataegus* and apple.

*Anthophonus gularis*, in pods of cassia; *suturalis* in wild plum; *sycophanta*, inquilinous in willow galls; *juniperinus*, in the juniper fungus; *moleculus*, on *solidago*; *ungularis*, in *Cassia marginata*; *signatus* in *Fragaria* and rosaceous plants.

*Pseudanthonomus cratagi*, on *Crataegus*.

*Xanthus pygmaeus*, on juniper.

*Ellesches ephippiatus*, on willow.

*Acalyptus carpini*, on willow blossoms.

*Orchestes salicis*, *niger*, *pallidicornis*, on willows; *betuleti*, on *Betula nigra*.

*Prionomerus calceatus*, on sassafras.

*Piazorhinus scutellaris*, very common on bushes; *pictus*, rare.

*Thysanoenemis helrolus* and *fraxini*, in seeds of *Fraxinus*.

*Plocetes ulmi*, on *Cephalanthus occidentalis*.

*Gymnetron teter*, on *verbascum*.

*Miarus hispidulus*, on *Lobelia syphilitica*.

*Larmosaccus plagiatus*, on oak bushes.

*Conotrachelus juglandis* and *elegans*, on hickory; *eratagi*, on *Crataegus*; *neumphar*, on plum; *tuberosus*, on *urtica*; *fissunguis*, on *hibiscus*; *unaglypticus*, under moist bark and various bushes, very common; *hispidus*, rare.

*Rhyssematus lineaticollis*, in the pods of *Asclepias*.

*Chalcodermus collaris*, rare.

*Microhygus setiger*, on dead branches.

*Acampus rigidus*, in red-rotten wood.

*Acalles*, all under decaying leaves.

*Tyloderma foreolutum*, in stems of *Oenothera biennis*; *fragarivir*, on *fragaria*; *arenum*, on plants growing in bogs.

*Phydrenus undatus*, on *Solanum nigrum*.

*Cryptorhynchus*. All species are on dead twigs.

*Piazurus oculatus*, on bushes, very common.

*Copturus binotatus*, on *Gleditschia triacanthos*; *quercus*, on oak; *longulus*, in *poda-pion* galls; *minutus*, on oak.

*Acoptus suturalis*, common on dead branches.

*Tachygonus lecontei*, on oak; *tardipes*, rare.

*Mononychus vidiceodus*, on iris.

*Craponius inqualis*, on grapes.

*Acanthocelis curtus* and *acephalus*, common on *Polygonum*.

*Anthonomus*, all on swampy meadows; *nebulosus* and *asper*, rare.

*Pelenosomus cristatus*, one specimen.

*Acalloides ventricosus*, rare.

*Centorhynchus rupar*, on *lepidium* and other cruciferous plants; the other species all live on plants in marshy ground.

*Celogaster zimmermanni*, on swampy places.

*Perigaster cretura*, like *Celogaster*.

## ECOLOGICAL NOTES—Continued.

*Pelenomus sulcicollis*, on polygonum.  
*Rhinoncus pericarpius*, *pyrrhopus*, and *longulus*, all on polygonaceous plants.  
*Baris*, the species are obtained by sweeping meadows.  
*Plesiobaris T-signum* and *disjuncta*, in swampy meadows.  
*Glyptobaris*, *Oxychobaris*, and *Audobaris*, all are obtained by sweeping marshy meadows.  
*Ampeloglyptus ater* and *Madarellus*, on ampelopsis.  
*Desmoglyptus crenatus*, on wild grape.  
*Pseudobaris pectoralis* and *nigra* on meadows.  
*Trichobaris trinotata*, on potatoes.  
*Centrinus*. All live on flowers, especially in the fall.  
*Centrinopus*, *Nicentrus*, *Linnobaris*, *Oligolochus*, *Iliostethus*, and *Stethobaris*, all these genera live on various herbs and weeds in meadows.  
*Zyglyptus striatus* and *sulcatus*, in dead twigs.  
*Oomorphidius kericollis*, one specimen.  
*Barinus eribricollis* and *curticollis*, rare.  
*Barilepton filiforme*, in swampy meadows.  
*Plocamus hispidulus*, breeds in dead twigs of *Robinia pseudacacia*.  
*Balaninus*. The habits of these species have repeatedly been placed on record.

## BRENTHIDÆ.

*Eupsalis minuta*, under loose bark of various trees.

## CALANDRIDÆ.

*Rhodobanus 13-punctatus*, very common on meadows.  
*Sphenophorus*. The species live on the roots of grasses in sandy places; *ochreus*, *melanocephalus*, *sculptilis*, and *parrulus* are very abundant.  
*Cilandra oryzæ* and *granaria*, in stored rice, wheat, corn, etc.  
*Dryophthorus corticalis*, very common under bark of rotten trees.  
*Himatium errans*, under bark; *conicum*, in bark of *Liriodendron tulipifera*.  
*Cossus impressifrons*, under bark of various trees.

*Stenomimus pallidus*, under bark, rare.  
*Phloeophagus apionides* and *minor*, on dead twigs.  
*Wollastonia quercicola*, like *Phloeophagus*.  
*Amaurorhinus nitens*, on dead branches of grapevine.  
*Hexarthrum ulkei*, rare, seems to be imported.  
*Rhynchosciurus oregonensis*, rare.  
*Stenoscelis brevis*, common in rotten wood. There are several underscribed *Calandridæ*.

## SCOLYTIDÆ.

*Scolytus quadrispinosus*, on hickory; *mutilus*, on celtis; *rugulosus*, on fruit trees.  
*Chramesus icorivæ*, in branches of hickory.  
*Phloeotribus liminaris*, on fruit trees; *frontalis*, on *Morus rubra*.  
*Hylesinus aculeatus*, under bark of ash; *opaculus*, under elm bark; *fasciatus*, rare, infests twigs of *Fraxinus*.  
*Cuesinus strigicollis*, on liquidambar.  
*Phloeosinus dentatus*, under bark of juniper.  
*Cyphoborus bifurcatus*, under pine bark.  
*Dendroctonus tercrebrans*, under pine bark; *frontalis*, one specimen.  
*Hylastes*, all on pine; also *Hybognathus pini-fex*.  
*Crypturgus abutaceus*, on pine.  
*Cryphalus rigidus*, on beech, one specimen.  
*Coccotrypes ductyliperda*, found occasionally in dates in our fruit stores.  
*Hypothenemus eruditus* and *dissimilis*, found abundantly in dry twigs of various trees in early spring.  
*Pityophthorus minutissimus*, under oak bark; *pubescens*, *peillus*, *puberulus*, *anneetus* and *hirticeps*, on pine; *consimilis*, on rhus.  
*Pityophthorus plagiatus*, on pines.  
*Xylocleptes decipiens*, rare.  
*Tomicus*. All under bark of pines.  
*Dryocoetes granicollis*, rare.  
*Micracis suturalis* and *opacicollis* boring in old twigs; *rufus*, in willow, rare.  
*Thysanoes fimbriicornis*, in dead hickory twigs.  
*Gnathotrichus materiarius* and *asperulus*, in pine.

## ECOLOGICAL NOTES—Continued.

*Xyleborus tachygraphus*, bores in *Acer dasycarpum* and other trees, on the shore of the river; *dispar*, in apple; *celsus*, in hickory; *biographus*, male of *celsus*; *fuscatus*, very common in oak; *plani-collis*, probably male of *fuscatus*; *retusicollis*, probably male of *pubescens*; *xylographus*, abundant on oak.  
*Xyloterus scabricollis*, rare; *politus*, common, bores in *Acer dasycarpum*.  
*Corthylus punctatissimus*, common in the roots of *Vaccinium corymbosum*.  
*Monarthrum fasciatum* and *mali*, very abundant in deciduous trees.  
*Platypus flavigornis* and *quadridentatus*, mostly boring in pine.

## ANTHIRIBIDÆ.

*Eurymycterus fasciatus*, on old branches.

*Tropidocerus bimaculatus* and *rectus*, on dead twigs.  
*Hormiscus*, *Toxotropis* and *Eusphyrus*, all common on old twigs.  
*Piezocorynus dispar*, *maestus* and *mixtus*, on old logs and under loose bark; *maestus* rather rare.  
*Anthribus cornutus*, not rare on dead branches.  
*Cratoparis lunatus* and *lugubris*, in fungi growing on old logs; *lunatus*, exceedingly common; *lugubris*, rare.  
*Brachytarsus alternatus* and *variegatus* very common on meadows; *tomentosus*, very common on ambrosia.  
*Anthribulus rotundatus*, on swampy meadows, common.  
*Choragus*, not rare on dead twigs.  
*Euxenus punctatus*, on twigs, rare.